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MODEL AERODYNAMIC TEST RESULTS FOR TWO VARIABLE CYCLE ENGINE COANNULAR EXHAUST SYSTEMS AT SIMULATED TAKEOFF AND CRUISE CONDITIONS

COMPREHENSIVE DATE REPORT
VOLUME II
TABULATED AERODYNAMIC DATA
BOOK 1

By D.P. Nelson

Commercial Products Division
Pratt & Whitney Aircraft Group
United Technologies Corporation

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16 Abstract

Wind tunnel tests were conducted to evaluate the aerodynamic performance of an advanced coannular exhaust nozzle for a future supersonic propulsion system. Tests were conducted with two test configurations: 1) a short flap mechanism for fan stream control with an isentropic contoured flow splitter, and 2) an iris fan nozzle with a conical flow splitter. Both designs feature a translating primary plug and an auxiliary inlet ejector.

Tests were conducted at takeoff and simulated cruise conditions. Data were acquired at Mach numbers of 0, 0.36, 0.9, and 2.0 for a wide range of nozzle operating conditions. At simulated supersonic cruise, both configurations demonstrated good performance, comparable to levels assumed in earlier advanced supersonic propulsion studies. However, at subsonic cruise, both configurations exhibited performance that was 6 to 7.5 percent less than the study assumptions. At take-off conditions, the iris configuration performance approached the assumed levels, while the short flap design was 4 to 6 percent less.

17 Key Words (Suggested by Author(s))	18 Distribution Statement
Short Flap Ejector Iris Flap Ejector Coannular Exhaust Nozzle Inverted Velocity Profile	

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FOREWORD

This report documents the work performed during the Nozzle Performance Tests (Task III) of Contract NAS3-20061. Because of the large amount of information, this report is presented in three Volumes to facilitate its use.

Volume I contains the design layouts and detailed design drawings of the nozzle models.

Volume II contains the tabular aerodynamic data generated in this program.

Volume III contains a graphical presentation of the data.

A complete description of the test hardware and test facilities is contained in the companion Task III Final Report, CR-159818. Significant test results and conclusions are also included in the Final Report.

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1. Introduction

Tabulated aerodynamic data presented in this volume were acquired during the scale model nozzle performance wind tunnel test.

Section 2 contains an index that can be used to locate the tabulated data obtained during this program.

Section 3 provides a description of the tabulated data parameters.

The aerodynamic data presented in Section 5 include:

- Nozzle thrust coefficient parameters
- Nozzle discharge coefficients
- Static pressure tap measurements

2. Tabulated Data Index

The tabulated data are organized by run number sequence with each run number representing a specific test configuration. Each run is comprised of a sequence of reading numbers that represent specific data points for discrete nozzle operating conditions and tunnel Mach number.

A data matrix is provided in Table 2-I which relates each test configuration and nominal Mach number to the corresponding run number and reading numbers comprising that run. For example, to locate the data for the short flap nozzle subsonic cruise configuration C_2 tested at an ejector inlet position of 0.46 and clamshell angle of 17° at 0.9 Mach number, we find the desired run number is 30 and the reading numbers are (1718-1751).

TABLE 2-I

DATA MATRIX GUIDE

- Supersonic Cruise Data

  - Short flap nozzle-supersonic cruise configuration C_1

	$M_o = 2.0$		
W_s corr	0	0.02	0.04
Run No. (RD'G No.)	14 (1039-1070)	15 (1071-1102)	16 (1103-1144)

  - Iris flap nozzle-supersonic cruise configuration A_1

	$M_o = 2.0$		
W_s corr	0	0.02	0.04
Run No. (RD'G No.)	18 (1155-1184)	20 (1248-1277)	19 (1205-1235)

- Subsonic Cruise Data

  - Short flap nozzle-subsonic cruise configuration C_2

Ejector Inlet Position A_{inlet}/A_9	M_o	Clamshell angle 13°	17°	21°	Removed
(Mid) 0.46	0.9	29(1685-1717)	30(1718-1751)	31(1752-1785)	46(2265-2278)
(Mid) 0.46	0 & 0.9	-	-	-	47(2279-2292)
(Mid) 0.46	vary 0 to 0.95	-	45(2224-2264)	-	-
(Min) 0.36	0 & 0.9	-	-	32(1786-1828)	-

TABLE 2-1 (Cont'd)

- Iris flap nozzle-subsonic cruise configuration A_2

Ejector Inlet Position A_{inlet}/A_9	M_o	Clamshell angle 13°	17°	21°	Removed
(Mid) 0.63	0.9	-	-	33(1829-1863)	-
(Mid) 0.63	0 & 0.9				38(2001-2058)
(Mid) 0.63	vary 0 to 0.95	-	44(2171-2223)		
(Modified) 0.42	0.9	-	-	-	39(2059-2090)
Ejector Removed	vary 0 to 0.95				63(2771-2820)

o Takeoff Data

- Short flap nozzle-takeoff configuration C_3 plug extended
C_{33} plug retracted

Ejector Inlet Position A_{inlet}/A_9	Primary Plug Position	M_o	Clamshell angle 13°	17°	21°	Removed
(Max) 0.60	extended	0 & 0.36	26(1528-1592)	-	-	-
(Mid) 0.46	extended	0 & 0.36	24(1438-1498)	22(1348-1407)	23(1408-1437) 25(1499-1527)	57(2592-2627)
(Mid) 0.46 modified*	extended	0 & 0.36	59(2658-2693)	-	-	60(2694-2710)
(Min) 0.36	extended	0 & 0.36	27(1593-1653)	-	-	-
(Min) 0.36	retracted	0.36	28(1654-1684)	-	-	-
Removed	extended	0				58(2628-2657)
Removed Modified*	extended	0				61(2711-2727)

* 20° segment inlet flap removed

- Iris flap nozzle-takeoff configuration A_3 plug extended
A_{33} plug retracted

Ejector Inlet Position A_{inlet}/A_9	Primary Plug Position	M_o	Clamshell angle 13°	17°	21°	Removed
(Mid) 0.80	extended	0 & 0.36	37(1940-2000)	-	-	65(2873-2893)
(Mid) 0.80	retracted	0 & 0.36	35(1864-1927)	-	-	-

3. Data Identification Guide

A set of tabulated data for each run consists of tunnel Mach number, nozzle operating conditions, discharge coefficients, thrust coefficients and surface static pressures. The nozzle operating conditions and performance coefficients for each reading of the run are summarized at the beginning of the data set followed by static pressure measurements for each reading. We will use the data set for run 30 listed on pages 585-619 book 2 and previous identified in the data matrix, as an example, to describe the information presented. The configuration description is listed at the top of the summary page. Directly below the description, the nozzle operating conditions and coefficients are tabulated by reading number (RDG) which appears on the extreme left of the page. Proceeding from left to right the parameters are; tunnel Mach number (MO), fan-to-primary stream pressure split (PTF/PTP), fan nozzle pressure ratio (PTF/PO), primary nozzle pressure ratio (PTP/PO), secondary flow (OMEGA), secondary-to-fan total pressure pumping characteristic (PTS/PTF), (note that the secondary flow and pumping characteristic parameters only apply to the supersonic cruise configuration), fan nozzle discharge coefficient (CDF), primary nozzle discharge coefficient (CDP), nozzle gross thrust coefficient as defined in Ref. 1, but including the external skin friction drag of the model (CF1), nozzle efficiency coefficient as defined in Ref. 1, but including external skin friction drag (ETA1), nozzle efficiency coefficient as defined in Ref. 1 (ETA1, INT), nozzle gross thrust coefficient as defined in Ref. 1 (CFP1), nozzle gross thrust coefficient as defined in Ref. 1, adjusted for the estimated internal duct friction losses from the charging station to nozzle exit plane (CFP2), stream thrust coefficient (F9). The definition of the additional thrust parameters not included in Ref. 1 are provided on page viii.

Following the run summary the model surface static pressure measurements are presented for each reading. These data are identified by the run and reading (RDG) number on the upper right hand corner of the page. The pressure measurements are grouped together for each model surface as identified by the heading such as; primary plug, flow splitter outer diameter, flow splitter inner diameter. Reading from left to right for each grouping the pressures are expressed in terms of absolute pressure, psia, (PL), normalized by ambient pressure (PL/PO), normalized by fan total pressure (PL/PTF), and normalized by primary total pressure (PL/PTP). (X/DMAX) describes the normalized axial location of each tap relative to the common model connection flange*. It should be noted that not all of the static tap instrumentation listed was applicable to all of test configurations. For cases that do not apply, the information is lined out.

*For the short flap nozzle configurations C_2, C_3 and C_{33}, the correct axial location (X/Dmax) of the last inlet flap tap, #48, identified as AVD word 142 is 0.558 and not 0.588 as shown.

Additional Thrust Parameters

Gross thrust coef. CF1 = $$\frac{(F\text{-}Dex)\text{-}Dsm}{m_f V_{if} + m_p V_{ip}}$$

Efficiency coef. ETA1 = $$\frac{(F\text{-}Dex) - Dsm}{m_f V_{if} + m_p V_{ip} + m_s V_{is}}$$

Gross Thrust Coef. CFP2 =

$$\frac{F - Dex}{m_f V_{if} + m_p V_{ip}} + \frac{\Delta C_{fp_f} m_f V_{if} + \Delta C_{fp_p} m_p V_{ip}}{m_f V_{if} + m_p V_{ip}}$$

where ΔCfp = $$\frac{\frac{\gamma-1}{2\gamma}}{\left[\frac{P_t}{P_o}^{\frac{\gamma-1}{2}} - 1\right]} \left(\frac{\Delta P_t}{P_t}\right)$$

and $\frac{\Delta P_t}{P_t}$ is the estimated duct friction loss from the instrumentation charging station to nozzle exit plane

Stream thrust Coef. F9 = $$\frac{(F\text{-}Dex) + P_o A_9}{P_{tf} A_f + P_{tp} A_p}$$

4. References

1. Nelson, D.P., "Model Aerodynamic Test Results for Two Variable Cycle Engine Coannualar Exhaust Systems at Takeoff and Cruise Conditions," NASA CR-159818, 1980.

NASA-LEWIS PRELIMINARY DATA CODE-II FACILITY AX&N1 PROGRAM CO34 PDGS 1005 TO 1079 RUN 14
TIME AND DATE PROCESSED 08:04:18 JUL 07 1979

NOZZLE TYPE P&W BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS SUPER SONIC CRUISE (MS=0)
NOZZLE CONFIGURATION C1
PRIMARY-NOZZLE PLUG SPLIT PLUG (RETRACTED)
FLOW SPLITTER ISENTROPIC SPLITTER
FAN NOZZLE SHORT FLAP
CLAMSHELL POSITION
EJECTOR INLET OPENING

PDG	MO	PTF/PTP	PTF/PO	PTP/PO	OMEGA	PTS/PTF	CDF	CDP	CF1	ETA1	ETA1,IMT	CFP1	CFP2	FG
1039	1.964	2.30	20.16	10.10	0.000	0.963	0.974	0.981	0.9699	0.9699	0.9729	0.9729	0.9734	1.4596
1040	1.962	2.31	20.09	9.70	0.000	0.962	0.974	0.981	0.9701	0.9701	0.9736	0.9736	0.9739	1.4652
1041	1.961	2.43	20.17	7.72	0.000	0.962	0.973	0.979	0.9711	0.9711	0.9745	0.9745	0.9750	1.4702
1042	1.963	2.33	22.57	11.31	0.000	0.963	0.974	0.982	0.9760	0.9760	0.9787	0.9787	0.9792	1.4663
1043	1.963	2.31	22.68	9.82	0.000	0.963	0.974	0.981	0.9764	0.9765	0.9793	0.9793	0.9798	1.4674

NASA-LEWIS PRELIMINARY DATA CADDE-II FACILITY 8X6X1 PROGRAM C034 ROGS 1235 TO 1273 *Run 14 Cont.*
TIME AND DATE PROCESSED 08:04:18 AUG 07 1979

NOZZLE TYPE — P&W BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS — SUPER SONIC CRUISE (MS=0)
NOZZLE CONFIGURATION — C1
PRIMARY-NOZZLE PLUG — SPLIT PLUG (RETRACTED)
FLOW SPLITTER — ISENTROPIC SPLITTER
FAN NOZZLE — SHORT FLAP
CLAMSHELL POSITION
EJECTOR INLET OPENING

PDG	MD	PTF/PTP	PTF/PO	PTP/PO	OMEGA	PTS/PTF	CDF	CDP	CFI	ETAI	ETAI,INT	CFP1	CFP2	F9
1044	1.963	2.59	22.59	8.71	0.000	0.043	0.973	0.980	0.9763	0.9763	0.9793	0.9793	0.9798	1.4705
1045	1.959	2.00	25.11	12.53	0.000	0.042	0.975	0.980	0.9794	0.9794	0.9818	0.9818	0.9822	1.4653
1046	1.961	2.33	25.04	10.76	0.000	0.042	0.974	0.982	0.9796	0.9796	0.9819	0.9819	0.9824	1.4688
1047	1.964	2.63	25.02	9.52	0.000	0.043	0.973	0.983	0.9796	0.9796	0.9823	0.9823	0.9827	1.4711
1048	1.962	2.04	27.51	13.47	0.000	0.042	0.975	0.982	0.9824	0.9824	0.9846	0.9846	0.9851	1.4697
1049	1.962	2.32	27.47	11.90	0.000	0.042	0.974	0.980	0.9832	0.9832	0.9855	0.9855	0.9859	1.4717
1050	1.962	2.63	27.71	10.67	0.000	0.042	0.976	0.981	0.9819	0.9819	0.9843	0.9843	0.9847	1.4739
1051	1.962	2.32	29.93	12.89	0.000	0.042	0.974	0.981	0.9832	0.9832	0.9853	0.9853	0.9857	1.4703
1052	1.962	2.60	30.11	11.58	0.000	0.042	0.977	0.981	0.9833	0.9833	0.9854	0.9854	0.9858	1.4763
1053	1.961	2.61	30.10	11.54	0.000	0.042	0.974	0.980	0.9835	0.9835	0.9857	0.9857	0.9861	1.4729
1054	1.962	2.32	29.85	12.87	0.000	0.042	0.975	0.984	0.9797	0.9797	0.9818	0.9818	0.9822	1.4684
1055	1.962	2.59	28.04	10.81	0.000	0.042	0.974	0.978	0.9833	0.9833	0.9856	0.9856	0.9860	1.4724
1056	1.962	2.34	27.52	11.77	0.000	0.042	0.974	0.981	0.9818	0.9818	0.9841	0.9841	0.9846	1.4703
1057	1.963	2.04	27.63	13.55	0.000	0.042	0.975	0.981	0.9828	0.9828	0.9850	0.9850	0.9854	1.4691
1058	1.962	2.60	25.07	9.65	0.000	0.043	0.977	0.982	0.9773	0.9773	0.9800	0.9800	0.9804	1.4715
1059	1.962	2.33	24.98	10.67	0.000	0.042	0.972	0.982	0.9803	0.9803	0.9829	0.9829	0.9834	1.4693
1060	1.962	2.01	24.98	12.45	0.000	0.043	0.974	0.981	0.9787	0.9787	0.9811	0.9811	0.9816	1.4663
1061	1.962	2.60	22.55	8.69	0.000	0.042	0.973	0.980	0.9774	0.9774	0.9804	0.9804	0.9809	1.4726
1062	1.963	2.31	22.53	9.73	0.000	0.042	0.972	0.981	0.9795	0.9795	0.9823	0.9823	0.9828	1.4706
1063	1.963	2.01	22.50	11.21	0.000	0.043	0.973	0.980	0.9786	0.9786	0.9813	0.9813	0.9818	1.4661
1064	1.962	2.60	20.07	7.73	0.000	0.043	0.971	0.980	0.9698	0.9698	0.9733	0.9733	0.9738	1.4674
1065	1.962	2.31	20.07	8.67	0.000	0.043	0.973	0.983	0.9727	0.9727	0.9760	0.9760	0.9765	1.4679
1066	1.962	2.00	20.07	10.03	0.000	0.043	0.972	0.980	0.9780	0.9780	0.9811	0.9811	0.9816	1.4687
1067	0.039	1.60	4.39	2.92	0.000	0.215	0.972	0.980	0.9177	0.9177	0.9177	0.9177	0.9193	1.7165
1068	0.037	1.58	4.54	2.87	0.000	0.196	0.973	0.979	0.9211	0.9211	0.9211	0.9211	0.9226	1.6995
1069	0.052	1.78	5.03	2.83	0.000	0.177	0.972	0.979	0.9268	0.9269	0.9269	0.9269	0.9283	1.6828
1070	0.052	1.98	5.51	2.78	0.000	0.158	0.972	0.979	0.9264	0.9264	0.9264	0.9264	0.9277	1.6847

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Row 14

NASA-LEWIS PRELIMINARY DATA 07/07/79 CADDELL REC 16/07/79 02:15:24.000 FAC BX6X1 PGM C034 RDG 1039

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	13.956	4.3114	0.21396	0.42670	0.43200
37	7.2037	2.2415	0.11117	0.22189	0.53000
47	12.766	4.0345	0.20010	0.39937	0.62400
52	9.3651	2.9140	0.14453	0.28846	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	10.651	3.3140	0.16437	0.32805	0.42200
67	7.4589	2.3209	0.11511	0.22975	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	26.754	8.3247	0.41289	0.82407	0.50800
82	13.176	4.0998	0.20334	0.40584	0.58300
92	3.4695	1.0796	0.053544	0.10687	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	5.4721	1.7027	0.084449	0.16855	0.62400
112	3.9051	1.2151	0.060267	0.12028	0.83000
122	3.7950	1.1808	0.058567	0.11689	0.96000
127	3.4495	1.0733	0.053235	0.10625	1.0900
137	3.5847	1.1154	0.055321	0.11041	1.2200
142	3.3193	1.0328	0.051225	0.10224	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	5.4721	1.7027	0.084449	0.16855	-1.0000
-112	3.9051	1.2151	0.060267	0.12028	-1.0000
-122	3.7950	1.1808	0.058567	0.11689	-1.0000
-127	3.4495	1.0733	0.053235	0.10625	-1.0000
-137	3.5847	1.1154	0.055321	0.11041	-1.0000
-142	3.3193	1.0328	0.051225	0.10224	-1.0000
-152	3.4244	1.0655	0.052848	0.10548	-1.0000
-157	3.4194	1.0640	0.052771	0.10532	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4244	1.0655	0.052848	0.10548	-1.0000
-157	3.4194	1.0640	0.052771	0.10532	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4296	1.0671	0.052926	0.10563	-1.0000
-172	3.4244	1.0655	0.052848	0.10548	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.7900	1.1762	0.058335	0.11643	-1.0000
-187	3.6798	1.1450	0.056789	0.11334	-1.0000

>SECTION 5 , MEASURED INPUT PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	11.965	2.7116	0.18509	0.42670	0.43200
37	6.2551	1.9404	0.096766	0.22308	0.53000
47	11.170	3.4651	0.17290	0.39836	0.62900
52	8.1406	2.5253	0.12593	0.29031	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	9.2053	2.8557	0.14241	0.32829	0.42200
67	6.5101	2.0165	0.10056	0.23182	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	26.444	8.2653	0.41218	0.95020	0.50800
82	13.114	4.0682	0.20287	0.46769	0.58300
92	3.4734	1.0775	0.053734	0.12387	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.4597	1.6937	0.084463	0.19471	0.62400
112	3.8337	1.2379	0.060236	0.13886	0.83000
122	3.7786	1.1722	0.058456	0.13476	0.96000
127	3.4584	1.0728	0.053501	0.12334	1.0900
137	3.2432	1.0061	0.050172	0.11566	1.2200
142	2.9579	0.91759	0.045759	0.10549	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.4597	1.6937	0.084463	0.19471	-1.0000
-112	3.8337	1.2379	0.060236	0.13886	-1.0000
-122	3.7786	1.1722	0.058456	0.13476	-1.0000
-127	3.4584	1.0728	0.053501	0.12334	-1.0000
-137	3.2432	1.0061	0.050172	0.11566	-1.0000
-142	2.9579	0.91759	0.045759	0.10549	-1.0000
-152	3.4333	1.0651	0.053114	0.12244	-1.0000
-157	3.4293	1.0639	0.053037	0.12227	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4333	1.0651	0.053114	0.12244	-1.0000
-157	3.4293	1.0639	0.053037	0.12227	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4333	1.0651	0.053114	0.12244	-1.0000
-172	3.4333	1.0651	0.053114	0.12244	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.8337	1.1901	0.059943	0.13565	-1.0000
-187	3.7476	1.1613	0.057914	0.13361	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

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Run 14

NASA-LEWIS PRELIMINARY DATA 07/07/79 CFDDEII REC 10/07/79 02:17:19.663 FAC BXEXI PGM C034 PDG 1041

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	17.573	3.2917	0.16496	0.42615	0.44200
37	5.5561	1.7298	0.086176	0.22394	0.53000
47	9.9193	3.2880	0.15384	0.39978	0.62900
52	7.1006	2.2106	0.11013	0.28620	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	9.1549	2.5399	0.12645	0.32869	0.42200
67	5.7259	1.7927	0.089812	0.23080	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	26.505	8.2520	0.41111	1.0683	0.50800
82	13.370	4.0691	0.20272	0.52691	0.58300
92	3.4660	1.0791	0.053760	0.13971	0.67600

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.4413	1.6940	0.084393	0.21931	0.62600
112	3.8861	1.2099	0.060276	0.15664	0.83000
122	3.7711	1.1741	0.058492	0.15200	0.96000
127	3.4469	1.0729	0.053459	0.13890	1.0500
137	3.0759	0.95766	0.047719	0.12398	1.2200
142	2.6759	0.83308	0.041504	0.10785	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.4413	1.6940	0.084393	0.21931	-1.0000
-112	3.8861	1.2099	0.060276	0.15664	-1.0000
-122	3.7711	1.1741	0.058492	0.15200	-1.0000
-127	3.4469	1.0729	0.053459	0.13890	-1.0000
-137	3.0759	0.95766	0.047719	0.12398	-1.0000
-142	2.6759	0.83308	0.041504	0.10785	-1.0000
-152	3.4169	1.0635	0.052985	0.13769	-1.0000
-157	3.4219	1.0651	0.053062	0.13789	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4169	1.0635	0.052985	0.13769	-1.0000
-157	3.4219	1.0651	0.053062	0.13789	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4169	1.0635	0.052985	0.13769	-1.0000
-172	3.4219	1.0651	0.053062	0.13789	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.7361	1.1819	0.058975	0.15301	-1.0000
-187	3.7361	1.1637	0.057963	0.15059	-1.0000

>SPECIFY 5 , MEASURED THRUST PARAMETERS

Run 14

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.471	4.8289	0.21396	0.42708	0.43200
37	9.0177	2.5025	0.11088	0.22133	0.53000
47	14.596	4.5529	0.20173	0.40266	0.62900
52	10.359	3.2330	0.14325	0.28593	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.893	3.7120	0.16447	0.32820	0.42200
67	8.3177	2.5962	0.11503	0.22961	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	29.744	9.2901	0.41163	0.82162	0.50800
82	14.706	4.5903	0.20339	0.40597	0.58300
92	3.4598	1.0799	0.047849	0.095508	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	6.1169	1.9093	0.084596	0.16886	0.62400
112	4.3607	1.3611	0.060308	0.12038	0.83000
122	4.2256	1.3189	0.058439	0.11665	0.96000
127	3.4398	1.0737	0.047572	0.094956	1.0900
137	4.0056	1.2502	0.055393	0.11057	1.2200
142	3.7331	1.1549	0.051171	0.10214	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	6.1169	1.9093	0.084596	0.16886	-1.0000
-112	4.3607	1.3611	0.060308	0.12038	-1.0000
-122	4.2256	1.3189	0.058439	0.11665	-1.0000
-127	3.4398	1.0737	0.047572	0.094956	-1.0000
-137	4.0056	1.2502	0.055393	0.11057	-1.0000
-142	3.7331	1.1549	0.051171	0.10214	-1.0000
-152	3.4098	1.0643	0.047156	0.094126	-1.0000
-157	3.4148	1.0658	0.047226	0.094265	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4098	1.0643	0.047156	0.094126	-1.0000
-157	3.4148	1.0658	0.047226	0.094265	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4098	1.0643	0.047156	0.094126	-1.0000
-172	3.4148	1.0658	0.047226	0.094265	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.8352	1.1971	0.053040	0.10587	-1.0000
-187	3.7451	1.1690	0.051796	0.10338	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

NASA-LEWIS PRELIMINARY DATA 07/07/79 CADDELL REC 13/07/79 02:20:33.079 FAC 8X6X1 PGM C024 RUN 14 RNG 1043

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	13.545	4.1941	0.18515	0.42708	0.43200
37	7.0724	2.1899	0.096675	0.22300	0.53000
47	12.730	3.9417	0.17401	0.40138	0.62900
52	9.0788	2.8112	0.12410	0.28626	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	10.414	3.2247	0.14236	0.32837	0.42200
67	7.2876	2.2565	0.099617	0.22978	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	30.024	9.2968	0.41041	0.94668	0.50800
82	14.935	4.5935	0.20278	0.46775	0.58300
92	3.4932	1.0785	0.047613	0.10983	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	6.1816	1.9141	0.084498	0.19491	0.62400
112	4.4045	1.3638	0.060207	0.13888	0.83000
122	4.2944	1.3266	0.058564	0.13509	0.96000
127	3.4682	1.0739	0.047408	0.10935	1.0900
137	3.6835	1.1406	0.050351	0.11614	1.2200
142	3.3530	1.0382	0.045833	0.10572	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	6.1816	1.9141	0.084498	0.19491	-1.0000
-112	4.4045	1.3638	0.060207	0.13888	-1.0000
-122	4.2944	1.3266	0.058564	0.13509	-1.0000
-127	3.4682	1.0739	0.047408	0.10935	-1.0000
-137	3.6835	1.1406	0.050351	0.11614	-1.0000
-142	3.3530	1.0382	0.045833	0.10572	-1.0000
-152	3.4431	1.0661	0.047065	0.10856	-1.0000
-157	3.4381	1.0646	0.046997	0.10841	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PTAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4431	1.0661	0.047065	0.10856	-1.0000
-157	3.4381	1.0646	0.046997	0.10841	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4431	1.0661	0.047065	0.10856	-1.0000
-172	3.4431	1.0661	0.047065	0.10856	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.9238	1.2088	0.053363	0.12309	-1.0000
-187	3.8397	1.1896	0.052473	0.12104	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	12.737	3.7176	0.16459	0.42704	0.43200
37	6.2925	1.9482	0.086245	0.22379	0.53000
47	11.337	3.5101	0.15539	0.40320	0.62900
52	9.0395	2.4991	0.11019	0.28592	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	9.2456	2.8625	0.12672	0.32882	0.42200
67	6.5677	2.0025	0.090646	0.23002	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	29.948	9.2721	0.41047	1.0651	0.50800
82	14.819	4.5880	0.20310	0.52702	0.58300
92	3.4780	1.0768	0.047670	0.12368	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	6.1723	1.9110	0.084598	0.21952	0.62400
112	4.3946	1.3606	0.060233	0.15629	0.83000
122	4.2746	1.3234	0.058586	0.15202	0.96000
127	3.4683	1.0737	0.047533	0.12334	1.0900
137	3.4930	1.0784	0.047738	0.12387	1.2200
142	3.0221	0.93568	0.041422	0.10748	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	6.1723	1.9110	0.084598	0.21952	-1.0000
-112	4.3946	1.3606	0.060233	0.15629	-1.0000
-122	4.2746	1.3234	0.058586	0.15202	-1.0000
-127	3.4683	1.0737	0.047533	0.12334	-1.0000
-137	3.4930	1.0784	0.047738	0.12387	-1.0000
-142	3.0221	0.93568	0.041422	0.10748	-1.0000
-152	3.4429	1.0660	0.047189	0.12245	-1.0000
-157	3.4683	1.0675	0.047258	0.12263	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4429	1.0660	0.047189	0.12245	-1.0000
-157	3.4683	1.0675	0.047258	0.12263	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4530	1.0691	0.047327	0.12280	-1.0000
-172	3.4783	1.0706	0.047395	0.12298	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.4988	1.2071	0.053637	0.13866	-1.0000
-187	3.8136	1.1807	0.052279	0.13563	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

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Row 14

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	17.426	5.3542	0.21226	0.42735	0.43200
37	8.9913	2.7627	0.11004	0.22650	0.53000
47	16.636	5.1124	0.20323	0.40725	0.62500
52	11.612	3.5679	0.14211	0.28477	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	13.402	4.1178	0.16401	0.32867	0.42200
67	9.3464	2.8718	0.11438	0.22921	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	33.450	10.278	0.40937	0.82033	0.50000
82	16.651	5.1162	0.20378	0.40835	0.58300
92	3.5118	1.0790	0.042978	0.086123	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	6.9352	2.1309	0.084876	0.17008	0.62400
112	4.9435	1.5189	0.060500	0.12123	0.83000
122	4.7933	1.4728	0.058663	0.11755	0.96000
127	3.5069	1.0775	0.042917	0.086000	1.0900
137	4.5130	1.3867	0.055232	0.11068	1.2200
142	4.1826	1.2852	0.051189	0.10258	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	6.9352	2.1309	0.084876	0.17008	-1.0000
-112	4.9435	1.5189	0.060500	0.12123	-1.0000
-122	4.7933	1.4728	0.058663	0.11755	-1.0000
-127	3.5069	1.0775	0.042917	0.086000	-1.0000
-137	4.5130	1.3867	0.055232	0.11068	-1.0000
-142	4.1826	1.2852	0.051189	0.10258	-1.0000
-152	3.4667	1.0652	0.042427	0.085019	-1.0000
-157	3.4717	1.0667	0.042488	0.085141	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4667	1.0652	0.042427	0.085018	-1.0000
-157	3.4717	1.0667	0.042489	0.085141	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4667	1.0652	0.042427	0.085018	-1.0000
-172	3.4717	1.0667	0.042489	0.085141	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.9374	1.2252	0.048799	0.097787	-1.0000
-187	3.9373	1.2106	0.047819	0.095823	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	14.785	4.5334	0.18341	0.42705	0.43200
37	7.6902	2.3893	0.095424	0.22213	0.53000
47	13.905	4.3201	0.17250	0.40164	0.62900
52	9.9137	3.0791	0.12295	0.28627	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	11.356	3.5281	0.14087	0.32800	0.42200
67	7.9453	2.4685	0.098568	0.22950	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	32.739	10.162	0.40578	0.94478	0.50800
82	16.346	5.0778	0.20276	0.47208	0.58300
92	3.4622	1.0757	0.042951	0.10000	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	6.8199	2.1189	0.084606	0.19699	0.62400
112	4.9436	1.5048	0.060088	0.13990	0.83000
122	4.7235	1.4675	0.058559	0.13644	0.96000
127	3.4622	1.0757	0.042951	0.10000	1.0900
137	4.0428	1.2561	0.050154	0.11678	1.2200
142	3.4624	1.1379	0.045435	0.10579	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	6.8199	2.1189	0.084606	0.19699	-1.0000
-112	4.9436	1.5048	0.060088	0.13990	-1.0000
-122	4.7235	1.4675	0.058559	0.13644	-1.0000
-127	3.4622	1.0757	0.042951	0.10000	-1.0000
-137	4.0429	1.2561	0.050154	0.11678	-1.0000
-142	3.4624	1.1379	0.045435	0.10579	-1.0000
-152	3.4221	1.0632	0.042454	0.09887	-1.0000
-157	3.4221	1.0632	0.042454	0.09887	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4221	1.0632	0.042454	0.09887	-1.0000
-157	3.4221	1.0632	0.042454	0.09887	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4171	1.0617	0.042392	0.09873	-1.0000
-172	3.4171	1.0617	0.042392	0.09873	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.9777	1.2358	0.049347	0.11490	-1.0000
-187	3.9177	1.2172	0.048603	0.11316	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Row 19

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	13.212	4.1130	0.16441	0.42756	0.43200
37	6.9027	2.1488	0.085896	0.22326	0.53000
42	12.493	3.8900	0.15545	0.40425	0.62500
52	8.8431	2.7529	0.11034	0.28615	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	10.148	3.1591	0.12629	0.32838	0.42200
67	7.1127	2.2142	0.088509	0.23016	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	32.669	10.170	0.40652	1.0571	0.50900
82	16.311	5.0775	0.20296	0.52780	0.58300
92	3.4602	1.0772	0.043057	0.11197	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	6.9976	2.1792	0.086711	0.22029	0.62400
112	4.8415	1.5071	0.060245	0.15666	0.83000
122	4.7114	1.4666	0.058626	0.15245	0.96000
127	3.4602	1.0772	0.043057	0.11197	1.0900
137	3.8356	1.1940	0.047728	0.12411	1.2200
142	3.3351	1.0382	0.041509	0.10792	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	6.8076	2.1192	0.084711	0.22029	-1.0000
-112	4.8415	1.5071	0.060245	0.15666	-1.0000
-122	4.7114	1.4666	0.058626	0.15245	-1.0000
-127	3.4602	1.0772	0.043057	0.11197	-1.0000
-137	3.8356	1.1940	0.047728	0.12411	-1.0000
-142	3.3351	1.0382	0.041509	0.10792	-1.0000
-152	3.4201	1.0647	0.042559	0.11067	-1.0000
-157	3.4201	1.0647	0.042559	0.11067	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4201	1.0647	0.042559	0.11067	-1.0000
-157	3.4201	1.0647	0.042559	0.11067	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4201	1.0647	0.042559	0.11067	-1.0000
-172	3.4201	1.0647	0.042559	0.11067	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.9507	1.2298	0.049161	0.12786	-1.0000
-187	3.8956	1.2126	0.048471	0.12573	-1.0000

>OPTIONS , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	18.602	5.7558	0.20525	0.42722	0.43200
37	9.5960	2.9654	0.10781	0.22916	0.53000
47	17.658	5.4635	0.19862	0.40562	0.62900
52	12.409	3.8395	0.13559	0.28505	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	14.324	4.4320	0.16112	0.32904	0.42200
67	9.9991	3.0937	0.11236	0.22546	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	35.996	11.134	0.40477	0.82659	0.50800
82	19.392	5.5980	0.20351	0.41561	0.58200
92	3.4796	1.0766	0.039141	0.079931	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	7.5382	2.3324	0.084795	0.17316	0.62400
112	5.3617	1.6590	0.060311	0.12316	0.83000
122	5.2215	1.6156	0.058735	0.11994	0.96000
127	3.4946	1.0782	0.039157	0.080045	1.0900
137	4.8262	1.4933	0.054288	0.11036	1.2200
142	4.4958	1.3880	0.050459	0.10304	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	7.5382	2.3324	0.084795	0.17316	-1.0000
-112	5.3617	1.6590	0.060311	0.12316	-1.0000
-122	5.2215	1.6156	0.058735	0.11994	-1.0000
-127	3.4946	1.0782	0.039157	0.080045	-1.0000
-137	4.8262	1.4933	0.054288	0.11036	-1.0000
-142	4.4958	1.3880	0.050459	0.10304	-1.0000
-152	3.4395	1.0642	0.038690	0.079010	-1.0000
-157	3.4946	1.0658	0.038746	0.079125	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4395	1.0642	0.038690	0.079010	-1.0000
-157	3.4946	1.0658	0.038746	0.079125	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4395	1.0642	0.038690	0.079010	-1.0000
-172	3.4945	1.0627	0.038634	0.078895	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	4.0453	1.2579	0.045729	0.093385	-1.0000
-187	4.3151	1.2424	0.045166	0.092235	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.481	5.0985	0.183RR	0.42750	0.43203
37	8.5301	2.6336	0.095171	0.22126	0.53000
47	15.636	4.8184	0.17412	0.40491	0.62900
52	11.016	3.4052	0.12291	0.28575	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	12.661	3.9092	0.14126	0.32842	0.42200
67	8.8553	2.7340	0.098799	0.22970	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	16.281	11.202	0.43479	0.94110	0.50000
82	10.261	5.6380	0.20274	0.47366	0.58300
92	3.4049	1.0791	0.038993	0.090655	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	7.6095	2.3494	0.084899	0.19728	0.62400
112	5.4124	1.6711	0.060387	0.14039	0.83000
122	5.2723	1.6278	0.058823	0.13676	0.96000
127	3.5000	1.0806	0.039049	0.090785	1.0900
137	4.5164	1.3944	0.050390	0.11715	1.2200
142	4.3939	1.2630	0.045641	0.10611	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	7.6095	2.3494	0.084899	0.19738	-1.0000
-112	5.4124	1.6711	0.060387	0.14039	-1.0000
-122	5.2723	1.6278	0.058823	0.13676	-1.0000
-127	3.5000	1.0806	0.039049	0.090785	-1.0000
-137	4.5164	1.3944	0.050390	0.11715	-1.0000
-142	4.3939	1.2630	0.045641	0.10611	-1.0000
-152	3.4499	1.0651	0.038491	0.089486	-1.0000
-157	3.4499	1.0651	0.038491	0.089486	-1.0000

>ADDITIONAL PRESSURE RATIOS , AFT NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4499	1.0651	0.038491	0.089486	-1.0000
-157	3.4499	1.0651	0.038491	0.089486	-1.0000

>ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-162	3.4499	1.0651	0.038491	0.089486	-1.0000
-172	3.4499	1.0651	0.038491	0.089486	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	4.0759	1.2584	0.045474	0.10572	-1.0000
-187	4.0737	1.2414	0.044859	0.10429	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.796	4.5626	0.164E3	0.42766	0.43200
37	7.5965	2.3705	0.085536	0.22220	0.53000
47	14.796	4.3198	0.15584	0.40682	0.62900
52	9.3279	3.0619	0.11049	0.28709	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.358	3.5029	0.12640	0.32835	0.42700
67	7.9517	2.4523	0.088487	0.22987	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	36.310	11.198	0.40406	1.0497	0.50000
82	18.298	5.6432	0.20363	0.52897	0.59300
92	3.4967	1.0784	0.038912	0.10108	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	7.6315	2.3536	0.084924	0.22061	0.62400
112	5.4343	1.6760	0.060474	0.15710	0.83000
122	5.2892	1.6312	0.058858	0.15290	0.96000
127	3.4967	1.0784	0.038912	0.10108	1.0900
137	4.2929	1.3239	0.047771	0.12410	1.2200
142	3.7371	1.1525	0.041586	0.10803	1.3900

>ADDITIONAL PRESSURE RATIOS , FREEBODY RAKES

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	7.6315	2.3536	0.084924	0.22061	-1.0000
-112	5.4343	1.6760	0.060474	0.15710	-1.0000
-122	5.2892	1.6312	0.058858	0.15290	-1.0000
-127	3.4967	1.0784	0.038912	0.10108	-1.0000
-137	4.2929	1.3239	0.047771	0.12410	-1.0000
-142	3.7371	1.1525	0.041586	0.10803	-1.0000
-152	3.4514	1.0645	0.038410	0.099780	-1.0000
-157	3.4514	1.0645	0.038410	0.099780	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4516	1.0645	0.038410	0.099780	-1.0000
-157	3.4514	1.0645	0.038410	0.099780	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4514	1.0645	0.038410	0.099780	-1.0000
-172	3.4514	1.0645	0.038410	0.099780	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-177	4.0976	1.2637	0.045509	0.11845	-1.0000
-182	4.0475	1.2483	0.045041	0.11701	-1.0000

>SECTION 5 , MEASURED THRUST PERFORMANCE

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	17.937	5.6201	0.18464	0.42991	0.43200
37	9.2371	2.8476	0.095142	0.22084	0.53010
47	16.796	5.1770	0.17298	0.40151	0.62900
52	11.393	3.6916	0.12301	0.28553	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.785	4.2494	0.14199	0.32956	0.42200
67	9.6167	2.9644	0.099051	0.22991	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	38.896	11.990	0.40062	0.92989	0.50000
82	19.734	6.0831	0.20326	0.47178	0.58300
92	3.4868	1.0748	0.035913	0.083359	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	8.2383	2.5395	0.084855	0.19696	0.62600
112	5.9636	1.8066	0.060364	0.14011	0.83000
122	5.7107	1.7604	0.058820	0.13653	0.96000
127	3.5018	1.0794	0.036068	0.083717	1.0900
137	4.9312	1.5198	0.050482	0.11717	1.2200
142	4.4364	1.3676	0.045695	0.10604	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	8.2383	2.5395	0.084855	0.19696	-1.0000
-112	5.9606	1.8066	0.060364	0.14011	-1.0000
-122	5.7107	1.7604	0.058820	0.13653	-1.0000
-127	3.5018	1.0794	0.036068	0.083717	-1.0000
-137	4.9312	1.5198	0.050482	0.11717	-1.0000
-142	4.4364	1.3676	0.045695	0.10606	-1.0000
-152	3.4468	1.0625	0.035502	0.082403	-1.0000
-157	3.4469	1.0625	0.035502	0.082403	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN SPLITTER PLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4468	1.0625	0.035502	0.082403	-1.0000
-157	3.4469	1.0625	0.035502	0.082403	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4518	1.0640	0.035553	0.082522	-1.0000
-172	3.4519	1.0640	0.035553	0.082522	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	4.2765	1.3183	0.044048	0.10224	-1.0000
-187	4.2715	1.3167	0.043996	0.10212	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.350	4.0648	0.16425	0.42684	0.43200
37	8.3019	2.5578	0.084959	0.22079	0.53000
47	15.190	4.6798	0.15546	0.40396	0.62900
52	12.748	3.2115	0.11000	0.28585	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	12.329	3.7985	0.12617	0.32785	0.42200
67	8.6222	2.6564	0.088236	0.22930	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	39.115	12.051	0.40029	1.0402	0.50800
82	19.910	6.1340	0.20375	0.52949	0.58300
92	3.5010	1.0786	0.035828	0.093109	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	8.3019	2.5578	0.084959	0.22079	0.67400
112	5.9095	1.8207	0.060476	0.15716	0.83000
122	5.7593	1.7744	0.058939	0.15317	0.96000
127	3.5110	1.0817	0.035931	0.093375	1.0900
137	4.6729	1.4397	0.047821	0.12427	1.2200
142	4.0619	1.2515	0.041569	0.10803	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	8.3019	2.5578	0.084959	0.22079	-1.0000
-112	5.9095	1.8207	0.060476	0.15716	-1.0000
-122	5.7593	1.7744	0.058939	0.15317	-1.0000
-127	3.5110	1.0817	0.035931	0.093375	-1.0000
-137	4.6729	1.4397	0.047821	0.12427	-1.0000
-142	4.0619	1.2515	0.041569	0.10803	-1.0000
-152	3.4610	1.0663	0.035418	0.092043	-1.0000
-157	3.4961	1.0768	0.035767	0.091910	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4610	1.0663	0.035418	0.092043	-1.0000
-157	3.4961	1.0768	0.035767	0.091910	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4610	1.0663	0.035418	0.092043	-1.0000
-172	3.4961	1.0768	0.035767	0.091910	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	4.3123	1.3286	0.044131	0.11468	-1.0000
-187	4.3123	1.3286	0.044131	0.11468	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	15.898	4.9332	0.16352	0.42745	0.43200
37	8.2619	2.5591	0.085032	0.22174	0.53000
47	15.038	4.6600	0.15484	0.40378	0.62500
52	10.658	3.3092	0.10996	0.28674	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	12.209	3.7906	0.12595	0.32845	0.42700
67	8.5421	2.6523	0.088129	0.22982	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	34.771	12.039	0.40000	1.0431	0.50800
82	19.732	6.1267	0.20357	0.53087	0.58300
92	3.4772	1.0797	0.035874	0.093552	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	8.2319	2.5560	0.084928	0.22147	0.62400
112	5.8551	1.8180	0.060407	0.15753	0.83000
122	5.7049	1.7714	0.058858	0.15349	0.96000
127	3.4822	1.0812	0.035926	0.093686	1.0900
137	4.6237	1.4357	0.047703	0.12440	1.2200
142	4.0230	1.2491	0.041505	0.10824	1.3500

>ADDITIONAL PRESSURE RATIOS , FORECOWL INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	8.2319	2.5560	0.084928	0.22147	-1.0000
-112	5.8551	1.8180	0.060407	0.15753	-1.0000
-122	5.7049	1.7714	0.058858	0.15349	-1.0000
-127	3.4822	1.0812	0.035926	0.093686	-1.0000
-137	4.6237	1.4357	0.047703	0.12440	-1.0000
-142	4.0230	1.2491	0.041505	0.10824	-1.0000
-152	3.4321	1.0657	0.035409	0.092339	-1.0000
-157	3.4321	1.0657	0.035409	0.092339	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4321	1.0657	0.035409	0.092339	-1.0000
-157	3.4321	1.0657	0.035409	0.092339	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4321	1.0657	0.035409	0.092339	-1.0000
-172	3.4271	1.0641	0.035356	0.092206	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	4.2332	1.3144	0.043674	0.11389	-1.0000
-187	4.1982	1.3035	0.043313	0.11295	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
42	17.755	5.5168	0.18483	0.42858	0.43200
37	9.1619	2.8464	0.095362	0.22113	0.53000
47	16.835	5.2217	0.17496	0.40566	0.67800
52	11.996	3.6908	0.12322	0.28595	1.7270

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	13.651	4.2416	0.14211	0.32952	0.42200
57	9.5312	2.9414	0.098215	0.22784	0.67800

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	38.447	11.946	0.40022	0.92805	0.50800
82	19.579	6.0836	0.20382	0.47262	0.58300
92	3.4667	1.0770	0.036082	0.083668	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	8.1554	2.5340	0.084896	0.19686	0.62400
112	5.8388	1.8140	0.060768	0.14022	0.83000
122	5.6486	1.7551	0.058801	0.13635	0.96000
127	3.4812	1.0817	0.036238	0.084031	1.0900
137	4.8528	1.5079	0.050517	0.11714	1.2200
142	4.3973	1.3663	0.045775	0.10615	1.3500

>ADDITIONAL PRESSURE RATIOS , ECOFAN® INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	8.1554	2.5340	0.084896	0.19686	-1.0000
-112	5.8388	1.8140	0.060768	0.14022	-1.0000
-122	5.6486	1.7551	0.058801	0.13635	-1.0000
-127	3.4812	1.0817	0.036238	0.084031	-1.0000
-137	4.8528	1.5079	0.050517	0.11714	-1.0000
-142	4.3973	1.3663	0.045775	0.10615	-1.0000
-152	3.4311	1.0661	0.035717	0.082822	-1.0000
-157	3.4311	1.0661	0.035717	0.082822	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN DEFLECTOR FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4311	1.0661	0.035717	0.082822	-1.0000
-157	3.4311	1.0661	0.035717	0.082822	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4311	1.0661	0.035717	0.082822	-1.0000
-172	3.4311	1.0661	0.035717	0.082822	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATIONS

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	4.1921	1.3025	0.043630	0.10119	-1.0000
-187	4.1721	1.2961	0.043422	0.10072	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

Run #4

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	14.836	4.8355	0.16436	0.42634	0.43200
37	7.7173	2.3365	0.085457	0.22165	0.53000
47	14.371	4.3563	0.15533	0.40292	0.62900
52	10.311	3.1100	0.11005	0.28765	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	11.600	3.5421	0.12630	0.32761	0.42200
67	7.3785	2.4769	0.088350	0.22927	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	36.144	11.230	0.40042	1.0387	0.50800
82	18.351	5.7316	0.20339	0.52734	0.58300
92	3.4691	1.0775	0.038421	0.099660	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	7.6733	2.3840	0.085009	0.22050	0.62600
112	5.4559	1.6951	0.060444	0.15678	0.83000
122	5.3158	1.6516	0.058891	0.15276	0.96000
127	3.4731	1.0791	0.038477	0.099804	1.0900
137	4.3144	1.3405	0.047797	0.12398	1.2200
142	3.7535	1.1662	0.041586	0.10786	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	7.6733	2.3840	0.085009	0.22050	-1.0000
-112	5.4559	1.6951	0.060444	0.15678	-1.0000
-122	5.3158	1.6516	0.058891	0.15276	-1.0000
-127	3.4731	1.0791	0.038477	0.099804	-1.0000
-137	4.3144	1.3405	0.047797	0.12398	-1.0000
-142	3.7535	1.1662	0.041586	0.10786	-1.0000
-152	3.4233	1.0635	0.037922	0.098364	-1.0000
-157	3.4280	1.0651	0.037977	0.098508	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4233	1.0635	0.037922	0.098364	-1.0000
-157	3.4280	1.0651	0.037977	0.098508	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4280	1.0651	0.037977	0.098508	-1.0000
-172	3.4280	1.0651	0.037977	0.098508	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	4.1091	1.2767	0.045523	0.11808	-1.0000
-187	4.0403	1.2580	0.044857	0.11635	-1.0000

>SUBSONIC C , MEASURED THRUST PARAMETERS

RUN #4

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	16.396	5.0363	0.19304	0.42781	0.43200
37	8.4517	2.6104	0.094873	0.22175	0.53000
47	15.496	4.7831	0.17386	0.40690	0.62900
52	10.947	3.3812	0.12288	0.28722	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	12.527	3.8691	0.14062	0.32867	0.42200
67	8.7668	2.7078	0.098610	0.23091	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	35.714	11.031	0.40091	0.93704	0.50800
82	19.110	5.9035	0.21529	0.47514	0.58300
92	3.4883	1.0773	0.039154	0.091515	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	7.5664	2.3370	0.084935	0.19852	0.62400
112	5.3833	1.6627	0.060392	0.14115	0.83000
122	5.2348	1.6169	0.058763	0.13735	0.96000
127	3.4939	1.0789	0.039213	0.091646	1.0900
137	4.4741	1.3819	0.050223	0.11739	1.2200
142	4.1497	1.2505	0.045448	0.10622	1.3500

>ADDITIONAL PRESSURE RATIOS , EXHAUST NOZZLE

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	7.5664	2.3370	0.084935	0.19852	-1.0000
-112	5.3833	1.6627	0.060392	0.14115	-1.0000
-122	5.2348	1.6169	0.058763	0.13735	-1.0000
-127	3.4939	1.0789	0.039213	0.091646	-1.0000
-137	4.4741	1.3819	0.050223	0.11739	-1.0000
-142	4.1497	1.2505	0.046448	0.10622	-1.0000
-152	3.4480	1.0650	0.038705	0.090464	-1.0000
-157	3.4483	1.0650	0.038705	0.090464	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4480	1.0650	0.038705	0.090464	-1.0000
-157	3.4483	1.0650	0.038705	0.090464	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4483	1.0650	0.038705	0.090464	-1.0000
-172	3.4480	1.0634	0.038648	0.090333	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	4.1187	1.2721	0.046234	0.10806	-1.0000
-187	4.1537	1.2829	0.046604	0.10936	-1.0000

>STATION 5 , MEASURED THRUST PARAMETERS

Row 14

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	19.779	5.7897	0.29569	0.42721	0.43200
37	9.6736	2.8320	0.13792	0.22307	0.53000
47	17.659	5.4433	0.19659	0.40172	0.62500
52	12.536	3.8663	0.13985	0.28519	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	14.482	4.4642	0.16154	0.32946	0.42200
67	11.196	3.1085	0.11245	0.22941	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	35.958	11.085	0.40114	0.81804	0.50800
82	18.228	5.6191	0.20335	0.41469	0.58300
92	3.4895	1.0757	0.038928	0.079385	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PL/P0	PI/PTF	PL/PTP	X/DMAX
107	7.6163	2.3478	0.084965	0.17327	0.62400
112	5.4131	1.6686	0.060397	0.12315	0.83300
122	5.2678	1.6239	0.058767	0.11984	0.96000
127	3.4995	1.0788	0.039040	0.079613	1.0500
137	4.8822	1.5050	0.054464	0.11107	1.2200
142	4.5315	1.3969	0.050553	0.10309	1.3500

>ADDITIONAL PRESSURE RATIOS , CORECOWL INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	7.6163	2.3478	0.084965	0.17327	-1.0000
-112	5.4131	1.6686	0.060397	0.12315	-1.0000
-122	5.2678	1.6239	0.058767	0.11984	-1.0000
-127	3.4995	1.0788	0.039040	0.079613	-1.0000
-137	4.8822	1.5050	0.054464	0.11107	-1.0000
-142	4.5315	1.3969	0.050553	0.10309	-1.0000
-152	3.4494	1.0633	0.038481	0.078473	-1.0000
-157	3.4494	1.0633	0.038481	0.078473	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PL/P0	PI/PTF	PL/PTP	X/DMAX
-152	3.4494	1.0633	0.038481	0.078473	-1.0000
-157	3.4494	1.0633	0.038481	0.078473	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4564	1.0649	0.038537	0.078587	-1.0000
-172	3.4494	1.0633	0.038481	0.078473	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PL/P0	PI/PTF	PL/PTP	X/DMAX
-182	4.1331	1.2736	0.046082	0.093974	-1.0000
-187	4.0707	1.2544	0.045411	0.092606	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Run 4

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.255	4.1172	0.16420	0.42659	0.49200
37	6.3353	2.1449	0.085540	0.22224	0.53000
47	12.559	3.9017	0.15559	0.40422	0.62900
52	9.0322	2.8056	0.11189	0.29070	0.72700

>ADDITIONAL PRESSUPE RATIOS , FLOW SPLITTER I.D.

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.193	3.1662	0.12627	0.32806	0.42200
67	7.1303	2.2148	0.088331	0.22945	0.67000

>ADDITIONAL PRESSUPE RATIOS , FLOW SPLITTER O.D.

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	32.521	10.102	0.40288	1.0467	0.50900
82	16.615	5.0990	0.20336	0.52832	0.58300
92	3.4749	1.0794	0.043048	0.11184	0.67000

>ADDITIONAL PRESSUPE RATIOS , EJECTOR SHROUD

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	6.8509	2.1278	0.084858	0.22046	0.62400
112	4.9773	1.5459	0.060429	0.15697	0.83000
122	4.7371	1.4714	0.058683	0.15246	0.96000
127	3.4699	1.0778	0.042996	0.11168	1.0900
137	3.9506	1.1961	0.047702	0.12393	1.2200
142	3.3497	1.0405	0.041496	0.10781	1.3500

>ADDITIONAL PRESSUPE RATIOS , CORERROW INLET

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	6.8510	2.1278	0.084858	0.22046	-1.0000
-112	4.9773	1.5459	0.060429	0.15697	-1.0000
-122	4.7371	1.4714	0.058683	0.15246	-1.0000
-127	3.4699	1.0778	0.042996	0.11168	-1.0000
-137	3.9506	1.1961	0.047702	0.12393	-1.0000
-142	3.3497	1.0405	0.041496	0.10781	-1.0000
-152	3.4299	1.0654	0.042489	0.11039	-1.0000
-157	3.4299	1.0654	0.042489	0.11039	-1.0000

>ADDITIONAL PRESSUPE RATIOS , FAN NOZZLE FLAP

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4299	1.0654	0.042489	0.11039	-1.0000
-157	3.4299	1.0654	0.042489	0.11039	-1.0000

>ADDITIONAL PRESSUPE RATIOS , 20 DEG SPOKE LOCATION

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4299	1.0654	0.042489	0.11039	-1.0000
-172	3.4299	1.0654	0.042489	0.11039	-1.0000

>ADDITIONAL PRESSUPE RATIOS , 80 DEG SPOKE LOCATION

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.9958	1.2412	0.049501	0.12860	-1.0000
-187	3.9157	1.2163	0.048508	0.12603	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	14.758	4.5770	0.19397	0.42881	0.43200
37	7.6719	2.3792	0.095634	0.22291	0.53000
47	13.368	4.3318	0.17412	0.40584	0.62900
52	9.9647	3.0841	0.12396	0.28894	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	11.331	3.5140	0.14125	0.32922	0.42200
67	7.2423	2.4631	0.099094	0.23076	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	32.335	10.028	0.40308	0.93951	0.53800
82	16.299	5.0568	0.20318	0.47358	0.58300
92	3.6745	1.0775	0.043312	0.10095	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	6.8256	2.1106	0.084836	0.19774	0.62500
112	4.9373	1.5002	0.060299	0.14055	0.83003
122	4.7373	1.4599	0.058676	0.13676	0.96300
127	3.6745	1.0775	0.043312	0.10095	1.0400
137	4.2337	1.2500	0.050245	0.11711	1.2200
142	3.8560	1.1335	0.045560	0.10619	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	6.8056	2.1106	0.084836	0.19774	-1.0000
-112	4.9373	1.5002	0.060299	0.14055	-1.0000
-122	4.7370	1.4598	0.058676	0.13676	-1.0000
-127	3.6745	1.0775	0.043312	0.10095	-1.0000
-137	4.2337	1.2500	0.050245	0.11711	-1.0000
-142	3.8560	1.1335	0.045560	0.10619	-1.0000
-152	3.6236	1.0636	0.042759	0.099643	-1.0000
-157	3.6344	1.0651	0.042812	0.099789	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.6236	1.0636	0.042759	0.099643	-1.0000
-157	3.6344	1.0651	0.042812	0.099789	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SWIRL LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.6344	1.0651	0.042812	0.099789	-1.0000
-172	3.6344	1.0651	0.042812	0.099789	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SWIRL LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.9056	1.2391	0.049858	0.11609	-1.0000
-187	3.8295	1.2150	0.048871	0.11381	-1.0000

>OPTION = , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	17.134	5.3270	0.21525	0.42774	0.43200
37	8.8531	2.7524	0.11018	0.22102	0.53000
47	16.294	5.0628	0.20267	0.40654	0.62900
52	11.469	3.5654	0.14274	0.28633	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.159	4.0913	0.16378	0.32853	0.42200
67	9.2031	2.8613	0.11454	0.22976	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	32.426	10.081	0.40356	0.80952	0.50800
82	16.339	5.0799	0.20335	0.40792	0.58300
92	3.4724	1.0794	0.043216	0.086690	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	6.9266	2.1224	0.084960	0.17043	0.62400
112	4.9544	1.5392	0.060416	0.12119	0.83000
122	4.7142	1.4656	0.058671	0.11769	0.96000
127	3.4775	1.0811	0.043279	0.086815	1.0900
137	4.4489	1.3831	0.055369	0.11107	1.2200
142	4.1134	1.2789	0.051193	0.10269	1.3500

>ADDITIONAL PRESSURE RATIOS , SECONDARY EXHAUST

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	6.9266	2.1224	0.084960	0.17043	-1.0000
-112	4.9544	1.5392	0.060416	0.12119	-1.0000
-122	4.7142	1.4656	0.058671	0.11769	-1.0000
-127	3.4775	1.0811	0.043279	0.086815	-1.0000
-137	4.4489	1.3831	0.055369	0.11107	-1.0000
-142	4.1134	1.2789	0.051193	0.10269	-1.0000
-152	3.4324	1.0671	0.042718	0.085690	-1.0000
-157	3.4324	1.0671	0.042718	0.085690	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4324	1.0671	0.042718	0.085690	-1.0000
-157	3.4324	1.0671	0.042718	0.085690	-1.0000

>ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4324	1.0671	0.042718	0.085690	-1.0000
-172	3.4324	1.0671	0.042718	0.085690	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.9732	1.2353	0.049449	0.099192	-1.0000
-187	3.3931	1.2108	0.048389	0.097067	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Run 14

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	12.377	3.7125	0.16466	0.42745	0.43200
37	6.3373	1.9465	0.084232	0.22411	0.53000
47	11.432	3.5142	0.15587	0.40461	0.62600
52	8.2643	2.5435	0.11268	0.29259	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	9.3002	2.8589	0.12680	0.32917	0.42200
67	6.5123	2.0019	0.088759	0.23049	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	29.863	9.1799	0.40716	1.0570	0.50800
82	14.893	4.5782	0.20306	0.52713	0.58300
92	3.5125	1.0798	0.047891	0.12432	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	6.2319	1.9157	0.084968	0.22057	0.62400
112	4.4292	1.3615	0.060389	0.15676	0.83000
122	4.3399	1.3246	0.058750	0.15251	0.96000
127	3.4975	1.0751	0.047696	0.12379	1.0500
137	3.5075	1.0782	0.047823	0.12414	1.2200
142	3.0516	0.93808	0.041607	0.10801	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	6.2319	1.9157	0.084968	0.22057	-1.0000
-112	4.4292	1.3615	0.060389	0.15676	-1.0000
-122	4.3399	1.3246	0.058750	0.15251	-1.0000
-127	3.4975	1.0751	0.047696	0.12379	-1.0000
-137	3.5075	1.0782	0.047823	0.12414	-1.0000
-142	3.0516	0.93808	0.041607	0.10801	-1.0000
-152	3.4624	1.0644	0.047209	0.12255	-1.0000
-157	3.4624	1.0644	0.047209	0.12255	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4624	1.0644	0.047209	0.12255	-1.0000
-157	3.4624	1.0644	0.047209	0.12255	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4624	1.0659	0.047276	0.12272	-1.0000
-172	3.4624	1.0659	0.047276	0.12272	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.9383	1.2104	0.053696	0.13939	-1.0000
-187	3.8582	1.1860	0.052604	0.13655	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Row 14

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	13.531	4.1620	0.18475	0.42761	0.43200
37	7.3595	2.1713	0.096286	0.22309	0.53000
47	12.991	3.9619	0.17587	0.40706	0.62900
52	9.1373	2.8104	0.12476	0.28875	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	10.399	3.1984	0.14198	0.32861	0.42200
67	7.2748	2.2376	0.099326	0.22989	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	29.827	9.1741	0.40724	0.94256	0.50800
82	14.867	4.5729	0.20259	0.46582	0.58300
92	3.5079	1.0790	0.047895	0.11086	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	6.2381	1.9095	0.084762	0.19619	0.62400
112	4.4049	1.3549	0.060141	0.13920	0.83000
122	4.2896	1.3194	0.058567	0.13556	0.96000
127	3.4929	1.0743	0.047690	0.11038	1.0500
137	3.6783	1.1314	0.050221	0.11624	1.2200
142	3.3576	1.0327	0.045843	0.10610	1.3500

>ADDITIONAL PRESSURE RATIOS , CORECOWL INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	6.2381	1.9095	0.084762	0.19619	-1.0000
-112	4.4049	1.3549	0.060141	0.13920	-1.0000
-122	4.2896	1.3194	0.058567	0.13556	-1.0000
-127	3.4929	1.0743	0.047690	0.11038	-1.0000
-137	3.6783	1.1314	0.050221	0.11624	-1.0000
-142	3.3576	1.0327	0.045843	0.10610	-1.0000
-152	3.4623	1.0651	0.047279	0.10943	-1.0000
-157	3.4578	1.0636	0.047211	0.10927	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4623	1.0651	0.047279	0.10943	-1.0000
-157	3.4578	1.0636	0.047211	0.10927	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4623	1.0651	0.047279	0.10943	-1.0000
-172	3.4623	1.0651	0.047279	0.10943	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.9338	1.2100	0.053719	0.12431	-1.0000
-187	3.8537	1.1853	0.052616	0.12179	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Row 14

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	15.597	4.7902	0.21289	0.42717	0.43200
37	8.0957	2.4865	0.11053	0.22173	0.53000
47	14.941	4.5351	0.20422	0.40977	0.62500
52	10.478	3.2183	0.14302	0.28659	0.72300

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	11.086	3.6805	0.16358	0.32824	0.42200
67	8.3861	2.5757	0.11447	0.22968	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	29.886	9.1786	0.40790	0.81848	0.50800
82	14.931	4.5767	0.20340	0.40813	0.58300
92	3.5082	1.0775	0.047886	0.096086	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	6.2191	1.9099	0.084875	0.17031	0.62500
112	4.4250	1.3591	0.060400	0.12120	0.83000
122	4.2898	1.3175	0.058554	0.11749	0.96000
127	3.5332	1.0760	0.047817	0.095949	1.0900
137	4.0493	1.2437	0.055271	0.11091	1.2200
142	3.7487	1.1514	0.051168	0.10267	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	6.2191	1.9099	0.084875	0.17031	-1.0000
-112	4.4250	1.3591	0.060400	0.12120	-1.0000
-122	4.2898	1.3175	0.058554	0.11749	-1.0000
-127	3.5332	1.0760	0.047817	0.095949	-1.0000
-137	4.0493	1.2437	0.055271	0.11091	-1.0000
-142	3.7487	1.1514	0.051168	0.10267	-1.0000
-152	3.4681	1.0652	0.047339	0.094988	-1.0000
-157	3.4681	1.0652	0.047339	0.094988	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4681	1.0652	0.047339	0.094988	-1.0000
-157	3.4681	1.0652	0.047339	0.094988	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4681	1.0652	0.047339	0.094988	-1.0000
-172	3.4681	1.0652	0.047339	0.094988	-1.0000

>ADDITIONAL PRESSURE RATIOS , AO DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.9143	1.2021	0.053425	0.10720	-1.0000
-187	3.8133	1.1709	0.052126	0.10459	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	10.652	3.2988	0.16436	0.42664	0.43200
37	5.5912	1.7316	0.086274	0.22395	0.53000
47	10.151	3.1439	0.15644	0.40660	0.62900
52	7.3285	2.2697	0.11308	0.29354	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	8.2945	2.5410	0.12660	0.32862	0.42200
67	5.7416	1.7782	0.088594	0.22997	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	26.501	8.2076	0.40953	1.0615	0.50000
82	13.153	4.0735	0.20296	0.52683	0.58300
92	3.4877	1.0802	0.053818	0.13970	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.4760	1.6960	0.084499	0.21934	0.62400
112	3.9035	1.2089	0.060233	0.15635	0.83000
122	3.7883	1.1732	0.058455	0.15174	0.98000
127	3.4627	1.0724	0.053431	0.13869	1.0900
137	3.3919	0.95759	0.047711	0.12384	1.2200
142	2.6911	0.83346	0.041526	0.10779	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD FAN EJ

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.4760	1.6960	0.084499	0.21934	-1.0000
-112	3.9035	1.2089	0.060233	0.15635	-1.0000
-122	3.7883	1.1732	0.058455	0.15174	-1.0000
-127	3.4627	1.0724	0.053431	0.13869	-1.0000
-137	3.3919	0.95759	0.047711	0.12384	-1.0000
-142	2.6911	0.83346	0.041526	0.10779	-1.0000
-152	3.4426	1.0662	0.053122	0.13789	-1.0000
-157	3.4376	1.0646	0.053045	0.13769	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4426	1.0662	0.053122	0.13789	-1.0000
-157	3.4376	1.0646	0.053045	0.13769	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4426	1.0662	0.053122	0.13789	-1.0000
-172	3.4426	1.0662	0.053122	0.13789	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.8133	1.1810	0.058842	0.15276	-1.0000
-187	3.4781	1.1391	0.056755	0.14732	-1.0000

>SECTION 5 , PRESCRIBED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	11.944	3.6383	0.18425	0.42651	0.43200
37	6.2434	1.9231	0.096318	0.22296	0.53900
47	11.439	3.5323	0.17600	0.40760	0.62900
52	5.1536	2.5237	0.12574	0.29107	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	9.1866	2.8444	0.14172	0.32806	0.42700
67	6.6227	1.9889	0.099099	0.22925	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	26.527	8.2135	0.40924	0.94730	0.50000
82	13.139	4.0682	0.20270	0.46921	0.58300
92	3.4790	1.0772	0.053672	0.12424	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	5.4723	1.6944	0.084423	0.19542	0.62600
112	3.8998	1.2075	0.060163	0.13926	0.83000
122	3.7846	1.1718	0.058386	0.13515	0.96000
127	3.4593	1.0710	0.053362	0.12352	1.0900
137	3.2496	1.0059	0.050117	0.11601	1.2200
142	2.9539	0.91433	0.045557	0.10545	1.3500

>ADDITIONAL PRESSURE RATIOS , REFERENCE PLEAT

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	5.4723	1.6944	0.084423	0.19542	-1.0000
-112	3.8998	1.2075	0.060163	0.13926	-1.0000
-122	3.7846	1.1718	0.058386	0.13515	-1.0000
-127	3.4593	1.0710	0.053362	0.12352	-1.0000
-137	3.2496	1.0059	0.050117	0.11601	-1.0000
-142	2.9539	0.91433	0.045557	0.10545	-1.0000
-152	3.4249	1.0617	0.052899	0.12245	-1.0000
-157	3.4249	1.0617	0.052899	0.12245	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.4249	1.0617	0.052899	0.12245	-1.0000
-157	3.4249	1.0617	0.052899	0.12245	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.4249	1.0617	0.052899	0.12245	-1.0000
-172	3.3793	1.0617	0.052899	0.12245	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.9267	1.1942	0.059036	0.13658	-1.0000
-187	3.7044	1.1470	0.057149	0.13229	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

NASA-LEWIS PRELIMINARY DATA 07/07/79 CADDELL REC 10/07/79 02:45:03.233 FAC 8X6X1 PGM C034 Run 14 RDC 1666

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.856	4.2944	0.21747	0.42713	0.43200
37	7.2123	2.2300	0.11111	0.22232	0.53000
42	13.295	4.1111	0.20483	0.40985	0.62500
52	9.3905	2.9006	0.14452	0.28917	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.657	3.2954	0.16419	0.32853	0.42200
67	7.4474	2.3228	0.11574	0.22958	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	26.592	8.2225	0.40969	0.81974	0.50000
82	13.183	4.0755	0.20306	0.40634	0.58300
92	3.4890	1.0788	0.053754	0.10756	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.4886	1.6971	0.084560	0.16920	0.62400
112	3.9151	1.2106	0.060317	0.12069	0.83000
122	3.7998	1.1749	0.058541	0.11714	0.96000
127	3.6693	1.0726	0.053445	0.10694	1.0900
137	3.5842	1.1083	0.055221	0.11049	1.2200
142	3.3196	1.0261	0.051128	0.10230	1.3500

>ADDITIONAL PRESSURE RATIOS , CONVERGENT INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.4886	1.6971	0.084560	0.16920	-1.0000
-112	3.9151	1.2106	0.060317	0.12069	-1.0000
-122	3.7998	1.1749	0.058541	0.11714	-1.0000
-127	3.6693	1.0726	0.053445	0.10694	-1.0000
-137	3.5842	1.1083	0.055221	0.11049	-1.0000
-142	3.3196	1.0261	0.051128	0.10230	-1.0000
-152	3.4439	1.0649	0.053059	0.10616	-1.0000
-157	3.4439	1.0649	0.053059	0.10616	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4439	1.0649	0.053059	0.10616	-1.0000
-157	3.4439	1.0649	0.053059	0.10616	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4289	1.0533	0.052981	0.10601	-1.0000
-172	3.4439	1.0649	0.053059	0.10616	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.8248	1.1827	0.058927	0.11791	-1.0000
-187	3.7305	1.1470	0.057151	0.11435	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	22.243	1.5703	0.38434	0.53864	0.43200
37	17.813	1.2576	0.30779	0.43136	0.53000
47	18.043	1.2738	0.31176	0.43693	0.62900
52	11.767	0.83072	0.20332	0.28495	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	13.758	0.97126	0.23772	0.33315	0.42200
67	9.4457	0.66684	0.16323	0.22874	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	25.034	1.7673	0.43255	0.60621	0.50400
82	13.368	0.94372	0.23097	0.32371	0.58300
87	14.198	1.0018	0.24515	0.34357	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	12.222	0.86286	0.21118	0.29597	0.62400
112	12.207	0.86180	0.21092	0.29561	0.83000
122	12.232	0.86357	0.21136	0.29621	0.96000
127	14.153	0.99915	0.24454	0.34272	1.0900
137	12.617	0.89076	0.21801	0.30554	1.2200
142	12.947	0.91406	0.22372	0.31353	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	12.222	0.86286	0.21118	0.29597	-1.0000
-112	12.207	0.86180	0.21092	0.29561	-1.0000
-122	12.232	0.86357	0.21136	0.29621	-1.0000
-127	14.153	0.99915	0.24454	0.34272	-1.0000
-137	12.617	0.89076	0.21801	0.30554	-1.0000
-142	12.947	0.91406	0.22372	0.31353	-1.0000
-152	14.183	1.0013	0.24506	0.34345	-1.0000
-157	14.178	1.0009	0.24497	0.34333	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.183	1.0013	0.24506	0.34345	-1.0000
-157	14.178	1.0009	0.24497	0.34333	-1.0000

>ADDITIONAL PRESSURE RATIOS , 70 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	14.183	1.0013	0.24506	0.34345	-1.0000
-172	14.183	1.0013	0.24506	0.34345	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	14.193	1.0020	0.24523	0.34369	-1.0000
-187	14.193	1.0020	0.24523	0.34369	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Run 14

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	21.337	1.5582	0.34111	0.53949	0.43200
37	17.600	1.2421	0.27267	0.43276	0.53000
42	17.813	1.2570	0.27694	0.43793	0.62900
52	11.696	0.82547	0.18187	0.29760	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.377	0.95826	0.21113	0.33386	0.42200
67	9.3296	0.65609	0.14475	0.22889	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	27.753	1.9585	0.43151	0.68235	0.50800
82	13.322	0.94025	0.20716	0.32758	0.58300
92	14.198	1.0013	0.22062	0.34887	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	12.176	0.85938	0.18934	0.29941	0.62400
112	12.176	0.85938	0.18934	0.29941	0.83000
122	12.196	0.86009	0.18950	0.29966	0.56000
127	14.159	0.99922	0.22015	0.34813	1.0900
137	12.512	0.88304	0.19455	0.30765	1.2200
142	12.447	0.99670	0.19977	0.31590	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	12.176	0.85938	0.18934	0.29941	-1.0000
-112	12.176	0.85938	0.18934	0.29941	-1.0000
-122	12.196	0.86009	0.18951	0.29966	-1.0000
-127	14.159	0.99922	0.22015	0.34813	-1.0000
-137	12.512	0.88304	0.19455	0.30765	-1.0000
-142	12.447	0.99670	0.19977	0.31590	-1.0000
-152	14.189	1.0013	0.22062	0.34887	-1.0000
-157	14.198	1.0013	0.22062	0.34887	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.198	1.0013	0.22062	0.34887	-1.0000
-157	14.198	1.0013	0.22062	0.34887	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	14.183	1.0010	0.22054	0.34875	-1.0000
-172	14.183	1.0010	0.22054	0.34875	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	14.193	1.0017	0.22070	0.34899	-1.0000
-187	14.179	1.0007	0.22077	0.34911	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

NASA-LEWIS 2DFLIN PRIMARY DATA 07/07/79 CADDELL REC 10/07/79 03:34:09.R49 FAC SYSV1 PGM C034 RDG 1069

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	21.545	1.5227	0.37287	0.53843	0.43200
37	17.314	1.2237	0.29963	0.43271	0.53000
47	17.513	1.2378	0.30614	0.43758	0.62500
52	12.328	0.85306	0.16569	0.30059	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.343	0.94304	0.18757	0.33247	0.42200
67	9.1659	0.64779	0.12885	0.22906	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	30.619	2.1640	0.43042	0.76520	0.50900
82	14.669	1.0353	0.20592	0.36609	0.58300
92	14.174	1.0017	0.19925	0.35422	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	12.383	0.85395	0.16985	0.30196	0.62500
112	12.368	0.85289	0.16964	0.30159	0.93000
122	12.374	0.85572	0.17020	0.30259	0.96300
127	14.139	0.99925	0.19875	0.35334	1.0900
137	12.438	0.87905	0.17485	0.31084	1.2200
142	12.753	0.90133	0.17928	0.31871	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD JACK

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	12.383	0.85395	0.16985	0.30196	-1.0000
-112	12.368	0.85289	0.16964	0.30159	-1.0000
-122	12.374	0.85572	0.17020	0.30259	-1.0000
-127	14.139	0.99925	0.19875	0.35334	-1.0000
-137	12.438	0.87905	0.17485	0.31084	-1.0000
-142	12.753	0.90133	0.17928	0.31871	-1.0000
-152	14.164	1.0010	0.19910	0.35397	-1.0000
-157	14.169	1.0014	0.19918	0.35409	-1.0000

>ADDITIONAL PRESSURE RATIOS , AFT PROFILE BAR

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.164	1.0010	0.19910	0.35397	-1.0000
-157	14.169	1.0014	0.19918	0.35409	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SWEPT STATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	14.169	1.0014	0.19918	0.35409	-1.0000
-172	14.166	1.0010	0.19913	0.35397	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SWEPT STATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	14.190	1.0028	0.19946	0.35459	-1.0000
-187	14.190	1.0028	0.19946	0.35459	-1.0000

>STATION 5 , MEASURED THRUST PARAMETERS

Run 14

NASA-LEWIS PRELIMINARY DATA 07/07/79 CADDELL REC 13/07/79 03:35:31.102 FAC 8X6X1 PGM C034 RDS 1870

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	21.181	1.4974	0.27181	0.53911	0.43700
37	17.035	1.2022	0.21823	0.43283	0.53000
47	17.210	1.2167	0.22086	0.43805	0.62900
52	11.498	0.80652	0.14643	0.29037	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
42	13.109	0.92674	0.16823	0.33366	0.42200
67	9.0012	0.63625	0.11551	0.22911	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	23.617	2.3625	0.42885	0.85059	0.50900
82	16.030	1.1332	0.20571	0.40801	0.58300
92	14.164	1.0014	0.18177	0.36053	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	11.853	0.83798	0.15211	0.30171	0.62400
112	11.803	0.83444	0.15147	0.30043	1.83000
122	12.003	0.84859	0.15404	0.30553	0.96000
127	14.124	0.99852	0.18126	0.35951	1.0900
137	12.319	0.87087	0.15809	0.31355	1.2200
142	12.634	0.89315	0.16213	0.32157	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	11.853	0.83798	0.15211	0.30171	-1.0000
-112	11.803	0.83444	0.15147	0.30043	-1.0000
-122	12.003	0.84859	0.15404	0.30553	-1.0000
-127	14.124	0.99852	0.18126	0.35951	-1.0000
-137	12.319	0.87087	0.15805	0.31355	-1.0000
-142	12.634	0.89315	0.16213	0.32157	-1.0000
-152	14.159	1.0010	0.18171	0.36040	-1.0000
-157	14.159	1.0010	0.18171	0.36040	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.159	1.0010	0.18171	0.36040	-1.0000
-157	14.159	1.0010	0.18171	0.36040	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	14.159	1.0010	0.18171	0.36040	-1.0000
-172	14.154	1.0006	0.18164	0.36027	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	14.194	1.0035	0.18216	0.36129	-1.0000
-187	14.194	1.0035	0.18216	0.36129	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Run 15

NOZZLE TYPE — P&W BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS — SUPER SONIC CRUISE (MS=.92 HT)
NOZZLE CONFIGURATION — C1
PRIMARY-NOZZLE PLUG — SPLIT PLUG (RETRACTED)
FLOW SPLITTER — ISENTROPIC SPLITTER
FAN NOZZLE — SHORT FLAP
CLAMSHELL POSITION
EJECTOR INLET OPENING

PDS	MP	PTF/PTP	PTF/PC	PTP/P0	OMEGA	PTS/PTF	CDF	CDP	CFI	ETAI	ETAI,INT	CFP1	CFP2	F9
1071	1.964	2.30	19.75	8.57	0.000	0.134	1.003	0.979	0.9749	0.9749	0.9781	0.9781	0.9786	1.4968
1072	1.959	2.32	22.08	9.53	0.000	0.133	1.004	0.981	0.9802	0.9802	0.9830	0.9830	0.9835	1.4982
1073	1.959	2.32	24.83	10.70	0.000	0.133	1.005	0.981	0.9828	0.9828	0.9853	0.9853	0.9858	1.4992
1074	1.959	2.32	27.67	11.91	0.000	0.133	1.006	0.981	0.9840	0.9840	0.9862	0.9862	0.9868	1.4997
1077	1.961	2.33	27.98	11.84	0.000	0.133	1.005	0.983	0.9833	0.9833	0.9856	0.9856	0.9860	1.4985
1078	1.960	2.33	24.66	10.72	0.000	0.134	1.003	0.982	0.9855	0.9855	0.9879	0.9879	0.9884	1.5015
1079	1.959	2.31	22.18	9.62	0.000	0.134	1.004	0.982	0.9839	0.9839	0.9867	0.9867	0.9872	1.5037
1080	1.957	2.31	19.64	8.53	0.000	0.134	1.002	0.980	0.9812	0.9812	0.9844	0.9844	0.9850	1.5032
1081	1.957	2.31	29.20	12.62	0.000	0.134	1.006	0.981	0.9876	0.9876	0.9897	0.9897	0.9901	1.5031
1082	1.960	2.31	29.41	12.75	0.000	0.134	1.005	0.984	0.9865	0.9865	0.9885	0.9885	0.9890	1.5026
1083	1.959	1.99	20.01	10.03	0.018	0.134	0.974	0.982	0.9948	0.9831	0.9962	0.9978	0.9984	1.4923
1084	1.957	2.31	19.60	8.50	0.019	0.133	0.972	0.981	0.9938	0.9814	0.9947	0.9971	0.9976	1.4960
1085	1.958	2.31	19.91	8.63	0.019	0.134	0.977	0.982	0.9937	0.9813	0.9946	0.9970	0.9975	1.4990
1086	1.959	2.30	19.85	7.66	0.020	0.133	0.972	0.980	0.9943	0.9812	0.9947	0.9974	0.9983	1.5000
1087	1.958	2.00	22.33	11.14	0.018	0.133	0.974	0.983	0.9993	0.9872	0.9890	1.0020	1.0025	1.4954
1088	1.959	2.31	22.46	9.72	0.019	0.134	0.975	0.982	0.9974	0.9844	0.9873	1.0002	1.0007	1.4965
1089	1.959	2.00	22.46	8.65	0.019	0.133	0.974	0.981	0.9973	0.9837	0.9867	1.0003	1.0008	1.4995
1090	1.960	2.00	24.98	12.46	0.018	0.134	0.975	0.983	1.0000	0.9876	0.9900	1.0024	1.0029	1.4941
1091	1.960	2.33	24.84	10.67	0.019	0.134	0.973	0.982	1.0039	0.9905	0.9931	1.0065	1.0069	1.5006
1092	1.961	2.59	24.84	9.58	0.020	0.134	0.972	0.981	1.0055	0.9914	0.9941	1.0082	1.0086	1.5048
1093	1.960	2.02	27.39	13.53	0.018	0.134	0.978	0.985	1.0020	0.9892	0.9916	1.0042	1.0046	1.4995
1094	1.959	2.33	27.34	11.75	0.019	0.133	0.973	0.982	1.0088	0.9951	0.9974	1.0111	1.0116	1.5053
1095	1.961	2.60	27.38	10.62	0.020	0.132	0.974	0.983	1.0040	0.9897	0.9921	1.0064	1.0068	1.5125
1096	1.960	2.32	29.47	12.87	0.019	0.134	0.978	0.984	1.0030	0.9891	0.9912	1.0051	1.0055	1.5005
1097	1.960	2.60	29.96	11.83	0.019	0.134	0.974	0.981	1.0060	0.9914	0.9936	1.0092	1.0096	1.5139
1098	1.960	2.33	29.84	12.87	0.019	0.134	0.975	0.983	1.0047	0.9908	0.9929	1.0078	1.0082	1.5019
1099	1.960	2.33	27.48	11.80	0.019	0.134	0.973	0.982	1.0049	0.9912	0.9935	1.0072	1.0076	1.5007
1100	1.960	2.32	24.91	10.71	0.019	0.133	0.975	0.984	1.0010	0.9877	0.9903	1.0036	1.0041	1.5001
1101	1.960	2.31	22.41	9.70	0.019	0.134	0.972	0.981	1.0024	0.9893	0.9922	1.0052	1.0057	1.5012
1102	1.961	2.31	19.94	8.65	0.019	0.134	0.973	0.982	0.9954	0.9826	0.9862	0.9987	0.9992	1.4983

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.941	3.4959	0.18709	0.43106	0.43200
37	6.5331	1.9566	0.099047	0.22820	0.53000
47	8.2479	2.4702	0.12504	0.28813	0.62900
52	8.2729	2.4777	0.12542	0.28907	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
52	9.3925	2.8130	0.14240	0.32808	0.42200
57	6.5931	1.9746	0.099957	0.23030	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	26.851	8.0416	0.40707	0.93789	0.50800
82	13.235	3.9638	0.20065	0.46230	0.58300
92	3.5823	1.0729	0.054311	0.12513	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	3.9825	1.1927	0.060378	0.13911	0.62400
112	3.9275	1.1763	0.059544	0.13719	0.83000
122	3.8475	1.1523	0.058331	0.13439	0.96000
127	3.5723	1.0699	0.054159	0.12478	1.0900
137	3.2621	0.97698	0.049456	0.11395	1.2200
142	3.2171	0.96350	0.048774	0.11237	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD THRUST

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	3.9825	1.1927	0.060378	0.13911	-1.0000
-112	3.9275	1.1763	0.059544	0.13719	-1.0000
-122	3.8475	1.1523	0.058331	0.13439	-1.0000
-127	3.5723	1.0699	0.054159	0.12478	-1.0000
-137	3.2621	0.97698	0.049456	0.11395	-1.0000
-142	3.2171	0.96350	0.048774	0.11237	-1.0000
-152	3.5473	1.0624	0.053780	0.12391	-1.0000
-157	3.5473	1.0624	0.053780	0.12391	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5473	1.0624	0.053780	0.12391	-1.0000
-157	3.5473	1.0624	0.053780	0.12391	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5523	1.0639	0.053856	0.12408	-1.0000
-172	3.5523	1.0639	0.053856	0.12408	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.1970	0.95754	0.046953	0.10818	-1.0000
-187	3.1571	0.94552	0.047863	0.11028	-1.0000

>SORTIE 5 , MEASURED TWIST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	13.936	4.1164	0.18647	0.43212	0.43200
37	7.2908	2.1691	0.097257	0.22770	0.53000
47	4.2415	2.7494	0.12455	0.28862	0.62900
52	9.2665	2.7569	0.12488	0.28941	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	10.532	3.1333	0.14193	0.32892	0.42200
67	7.3909	2.1989	0.099606	0.23083	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	30.588	9.0996	0.41220	0.95523	0.50800
82	14.921	4.4391	0.20109	0.46600	0.58300
87	3.6078	1.0733	0.048621	0.11268	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	4.5088	1.3414	0.060764	0.14081	0.62400
112	4.4437	1.3220	0.059887	0.13878	0.83000
122	4.3486	1.2937	0.058605	0.13581	0.96000
127	3.5978	1.0704	0.048486	0.11236	1.0900
137	3.6528	1.0867	0.049228	0.11408	1.2200
142	3.6178	1.0763	0.048756	0.11299	1.3500

>ADDITIONAL PRESSURE RATIOS , PERFORM INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	4.5088	1.3414	0.060764	0.14081	-1.0000
-112	4.4437	1.3220	0.059887	0.13878	-1.0000
-122	4.3486	1.2937	0.058605	0.13581	-1.0000
-127	3.5978	1.0704	0.048486	0.11236	-1.0000
-137	3.6528	1.0867	0.049228	0.11408	-1.0000
-142	3.6178	1.0763	0.048756	0.11299	-1.0000
-152	3.5727	1.0629	0.048149	0.11158	-1.0000
-157	3.5727	1.0629	0.048149	0.11158	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-157	3.5727	1.0629	0.048149	0.11158	-1.0000
-157	3.5727	1.0629	0.048149	0.11158	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5727	1.0629	0.048149	0.11158	-1.0000
-172	3.5727	1.0629	0.048149	0.11158	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.1971	0.92143	0.041740	0.096728	-1.0000
-187	3.1672	0.94228	0.042684	0.098917	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.548	4.6199	0.18604	0.43197	0.43200
37	8.1581	2.4241	0.097615	0.22645	0.53000
47	10.359	3.0780	0.12395	0.28779	0.62900
52	10.409	3.0928	0.12454	0.28918	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.824	3.5133	0.14148	0.32850	0.42200
67	8.2892	2.4627	0.099171	0.23027	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	34.261	10.180	0.40995	0.95187	0.50800
82	16.798	4.9912	0.20099	0.46668	0.58300
92	9.6094	1.0725	0.043187	0.10028	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.0860	1.5112	0.060856	0.14130	0.62400
112	5.0159	1.4904	0.060018	0.13936	0.83000
122	4.8058	1.4577	0.058700	0.13630	0.96000
127	3.6044	1.0710	0.043127	0.10014	1.0900
137	4.1033	1.2183	0.049058	0.11391	1.2200
142	4.0699	1.2093	0.048699	0.11307	1.3500

>ADDITIONAL PRESSURE RATIOS , FORERROW INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.0860	1.5112	0.060856	0.14130	-1.0000
-112	5.0159	1.4904	0.060018	0.13936	-1.0000
-122	4.8058	1.4577	0.058700	0.13630	-1.0000
-127	3.6044	1.0710	0.043127	0.10014	-1.0000
-137	4.1000	1.2183	0.049058	0.11391	-1.0000
-142	4.0699	1.2093	0.048698	0.11307	-1.0000
-152	3.5843	1.0650	0.042888	0.099582	-1.0000
-157	3.5793	1.0636	0.042828	0.099443	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5843	1.0650	0.042888	0.099582	-1.0000
-157	3.5793	1.0636	0.042828	0.099443	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SPLITTER LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5793	1.0636	0.042828	0.099443	-1.0000
-172	3.5843	1.0650	0.042888	0.099582	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SPLITTER LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.1137	0.92520	0.037257	0.086507	-1.0000
-187	3.1838	0.94603	0.038095	0.088454	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	17.267	5.1348	0.18559	0.43112	0.43200
37	9.0451	2.6898	0.097222	0.22584	0.43000
47	11.510	3.4228	0.12371	0.28738	0.62900
52	11.565	3.4391	0.12430	0.28875	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	13.149	3.9103	0.14133	0.32831	0.42200
67	9.2051	2.7376	0.098941	0.22984	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	37.620	11.187	0.40436	0.93930	0.50000
82	18.706	5.5627	0.20106	0.46705	0.58300
87	3.6075	1.0728	0.038774	0.090073	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	5.6441	1.6784	0.060666	0.14092	0.62400
112	5.5740	1.6576	0.059913	0.13917	0.83000
122	5.6589	1.6234	0.058676	0.13630	0.96000
127	3.6175	1.0758	0.038883	0.090323	1.0900
137	4.5583	1.3555	0.048995	0.11381	1.2200
142	4.5283	1.3466	0.048673	0.11306	1.3500

>ADDITIONAL PRESSURE RATIOS , SECONDARY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	5.6441	1.6784	0.060666	0.14092	-1.0000
-112	5.5740	1.6576	0.059913	0.13917	-1.0000
-122	5.6589	1.6234	0.058676	0.13630	-1.0000
-127	3.6175	1.0758	0.038883	0.090323	-1.0000
-137	4.5583	1.3555	0.048995	0.11381	-1.0000
-142	4.5283	1.3466	0.048673	0.11306	-1.0000
-152	3.5724	1.0624	0.038398	0.089198	-1.0000
-157	3.5724	1.0624	0.038398	0.089198	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5724	1.0624	0.038398	0.089198	-1.0000
-157	3.5724	1.0624	0.038398	0.089198	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5774	1.0639	0.038452	0.089323	-1.0000
-172	3.5724	1.0624	0.038398	0.089198	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.1119	0.92543	0.033449	0.077700	-1.0000
-187	3.1823	0.94627	0.034202	0.079450	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	17.177	5.1140	0.18544	0.43203	0.43200
37	8.9984	2.6790	0.097143	0.22632	0.53300
47	11.439	3.4055	0.12349	0.28770	0.62900
52	11.409	3.4234	0.12414	0.28921	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	13.084	3.8952	0.14124	0.32907	0.42200
67	9.1585	2.7266	0.098871	0.23035	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	36.910	10.989	0.39846	0.92832	0.50400
82	18.612	5.5410	0.20092	0.46811	0.58300
92	3.6044	1.0731	0.038911	0.090654	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	5.6165	1.6721	0.060633	0.14126	0.62400
112	5.5464	1.6513	0.059877	0.13950	0.83000
122	5.4313	1.6170	0.058634	0.13660	0.96000
127	3.6144	1.0761	0.039019	0.090905	1.0900
137	4.5304	1.3488	0.048908	0.11395	1.2200
142	4.5004	1.3398	0.048584	0.11319	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	5.6165	1.6721	0.060633	0.14126	-1.0000
-112	5.5464	1.6513	0.059877	0.13950	-1.0000
-122	5.4313	1.6170	0.058634	0.13660	-1.0000
-127	3.6144	1.0761	0.039019	0.090905	-1.0000
-137	4.5304	1.3488	0.048908	0.11395	-1.0000
-142	4.5004	1.3398	0.048584	0.11319	-1.0000
-152	3.5743	1.0641	0.038587	0.089898	-1.0000
-157	3.5743	1.0641	0.038587	0.089898	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLAN

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.5743	1.0641	0.038587	0.089898	-1.0000
-157	3.5743	1.0641	0.038587	0.089898	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD INFLATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5743	1.0641	0.038587	0.089898	-1.0000
-172	3.5743	1.0641	0.038587	0.089898	-1.0000

>ADDITIONAL PRESSURE RATIOS , NO DEG SHROUD INFLATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.1237	0.92998	0.033722	0.078565	-1.0000
-187	3.1898	0.94976	0.034425	0.080202	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED TURBIST PARAMETERS

Run 13

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	15.520	4.6757	0.19538	0.43144	0.43200
37	8.1928	2.4674	0.097683	0.22734	0.53000
47	10.357	3.0951	0.12364	0.28775	0.62900
52	10.402	3.0985	0.12418	0.28900	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	11.812	3.5196	0.14100	0.32816	0.42200
67	8.2878	2.4687	0.098936	0.23025	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	33.454	9.9648	0.39936	0.92941	0.50800
82	16.763	4.9933	0.20011	0.46572	0.58300
92	3.5917	1.0697	0.042870	0.099768	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	5.0771	1.5123	0.060608	0.14105	0.62400
112	4.0971	1.4885	0.059653	0.13883	0.83000
122	4.8970	1.4587	0.058458	0.13605	0.96000
127	3.5962	1.0712	0.042929	0.099908	1.0600
137	4.0865	1.2172	0.048783	0.11353	1.2200
142	4.0515	1.2068	0.048365	0.11256	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	5.0771	1.5123	0.060608	0.14105	-1.0000
-112	4.0971	1.4885	0.059653	0.13883	-1.0000
-122	4.8970	1.4597	0.058458	0.13605	-1.0000
-127	3.5962	1.0712	0.042929	0.099908	-1.0000
-137	4.0865	1.2172	0.048783	0.11353	-1.0000
-142	4.0515	1.2068	0.048365	0.11256	-1.0000
-152	3.5661	1.0622	0.042571	0.099074	-1.0000
-157	3.5661	1.0622	0.042571	0.099074	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE REAR

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5661	1.0622	0.042571	0.099074	-1.0000
-157	3.5661	1.0622	0.042571	0.099074	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SINFLOW LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5661	1.0622	0.042571	0.099074	-1.0000
-172	3.5611	1.0607	0.042511	0.098935	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SINFLOW LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-192	3.1608	0.96150	0.037732	0.087813	-1.0000
-197	3.1208	0.95038	0.038449	0.089481	-1.0000

>OUTLOW 5 , MEASURED THRUST PARAMETERS

MASA-LEWIS PRELIMINARY DATA 06/10/79 CADDFIT REC 10/11/79 03:42:26.003 FAC AX&XI PGM C034 PRG 1079

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.950	4.1475	0.19701	0.43125	0.43200
37	7.3439	2.1866	0.098596	0.22736	0.53000
42	4.3317	2.2696	0.12489	0.29798	0.62400
52	4.3317	2.7785	0.12529	0.28850	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.590	3.1531	0.14219	0.32786	0.42200
67	7.6389	2.2149	0.099870	0.23030	0.67700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	29.796	8.8686	0.39988	0.92215	0.50000
82	14.913	4.4403	0.20021	0.46169	0.58300
92	3.5913	1.0693	0.048215	0.11116	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	4.5060	1.3417	0.060495	0.13950	0.62400
112	4.4413	1.3223	0.059623	0.13749	0.83000
122	4.3461	1.2940	0.058348	0.13455	0.96000
127	3.5863	1.0678	0.048148	0.11103	1.0900
137	3.6663	1.0916	0.049222	0.11351	1.2200
142	3.6213	1.0782	0.048618	0.11211	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD NORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	4.5060	1.3417	0.060495	0.13950	-1.0000
-112	4.4410	1.3223	0.059623	0.13749	-1.0000
-122	4.3461	1.2940	0.058348	0.13455	-1.0000
-127	3.5863	1.0678	0.048148	0.11103	-1.0000
-137	3.6663	1.0916	0.049222	0.11351	-1.0000
-142	3.6213	1.0782	0.048618	0.11211	-1.0000
-152	3.5664	1.0619	0.047880	0.11041	-1.0000
-157	3.5614	1.0604	0.047813	0.11026	-1.0000

>ADDITIONAL PRESSURE RATIOS , FLOW DEFLECTOR FLAP

AVD NORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5664	1.0619	0.047880	0.11041	-1.0000
-157	3.5614	1.0604	0.047813	0.11026	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD NORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5664	1.0619	0.047880	0.11041	-1.0000
-172	3.5614	1.0604	0.047813	0.11026	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD NORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.1364	0.93387	0.042108	0.097103	-1.0000
-187	3.2164	0.95471	0.043048	0.099270	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Rod 15

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	12.332	3.6759	0.18669	0.43103	0.43200
37	6.5219	1.9440	0.098730	0.22795	0.53000
42	8.2475	2.4584	0.12485	0.28826	0.62900
52	8.7675	2.4643	0.12516	0.28896	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	9.3976	2.8012	0.14226	0.32846	0.42200
67	6.5919	1.9649	0.099790	0.23040	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	26.389	7.8660	0.39949	0.92235	0.50400
82	13.247	3.9486	0.20054	0.46300	0.58300
92	4.5946	1.0715	0.054416	0.12564	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	3.9700	1.1834	0.060099	0.13876	0.62400
112	3.9299	1.1714	0.059493	0.13736	0.83000
122	3.8499	1.1476	0.058281	0.13456	0.96000
127	3.5796	1.0670	0.054189	0.12511	1.0900
137	3.2392	0.96553	0.049036	0.11322	1.2200
142	3.2192	0.95658	0.048582	0.11217	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	3.9700	1.1834	0.060099	0.13876	-1.0000
-112	3.9299	1.1714	0.059493	0.13736	-1.0000
-122	3.8499	1.1476	0.058281	0.13456	-1.0000
-127	3.5796	1.0670	0.054189	0.12511	-1.0000
-137	3.2392	0.96553	0.049036	0.11322	-1.0000
-142	3.2192	0.95658	0.048582	0.11217	-1.0000
-152	3.5596	1.0610	0.053886	0.12441	-1.0000
-157	3.5646	1.0625	0.053962	0.12459	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE REAR

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5596	1.0610	0.053886	0.12441	-1.0000
-157	3.5646	1.0625	0.053962	0.12459	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-162	3.5596	1.0610	0.053886	0.12441	-1.0000
-172	3.5646	1.0625	0.053962	0.12459	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.1241	0.93121	0.047294	0.10919	-1.0000
-187	3.1042	0.95219	0.048354	0.11164	-1.0000

SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	10.721	5.4448	0.18655	0.43174	0.43200
37	5.5599	2.8560	0.097782	0.22631	0.53000
47	12.112	3.6705	0.12403	0.28698	0.62900
52	12.192	3.6444	0.12482	0.28888	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	13.847	4.1392	0.14176	0.32809	0.42200
67	9.7013	2.8999	0.099318	0.22986	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	38.856	11.615	0.39781	0.92069	0.58000
82	19.601	5.8592	0.20067	0.46443	0.58300
92	3.5836	1.0703	0.036656	0.084838	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	5.9133	1.7672	0.060540	0.14011	0.62400
112	5.8483	1.7482	0.059874	0.13857	0.83000
122	5.7331	1.7138	0.058696	0.13585	0.96000
127	3.5856	1.0718	0.036708	0.084956	1.0900
137	4.7971	1.4340	0.049112	0.11367	1.2200
142	4.7670	1.4250	0.048805	0.11296	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR EXIT

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	5.9133	1.7677	0.060540	0.14011	-1.0000
-112	5.8483	1.7482	0.059874	0.13857	-1.0000
-122	5.7331	1.7138	0.058696	0.13585	-1.0000
-127	3.5856	1.0718	0.036708	0.084956	-1.0000
-137	4.7971	1.4340	0.049112	0.11367	-1.0000
-142	4.7670	1.4250	0.048805	0.11295	-1.0000
-152	3.5456	1.0598	0.036258	0.084007	-1.0000
-157	3.5456	1.0598	0.036258	0.084007	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-157	3.5456	1.0598	0.036258	0.084007	-1.0000
-157	3.5456	1.0598	0.036258	0.084007	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SIMION LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5456	1.0598	0.036258	0.084007	-1.0000
-172	3.5456	1.0598	0.036258	0.084007	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SIMION LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-187	3.1648	0.94635	0.032401	0.074989	-1.0000
-192	3.1848	0.95206	0.032606	0.075464	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

Run 15

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	18.444	5.5301	0.18700	0.43129	0.43200
37	9.6589	2.8804	0.097927	0.22586	0.53000
47	12.273	3.6599	0.12443	0.28699	0.62900
52	12.343	3.6808	0.12514	0.28863	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.067	4.1949	0.14262	0.32894	0.42200
67	9.8289	2.9310	0.099651	0.22984	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	39.083	11.655	0.39625	0.91391	0.50800
82	19.783	5.8994	0.20057	0.46260	0.58300
92	3.5968	1.0726	0.036467	0.084107	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.9584	1.7768	0.060410	0.13933	0.62400
112	5.9034	1.7604	0.059852	0.13804	0.83000
122	5.7833	1.7246	0.058635	0.13524	0.96000
127	3.6168	1.0786	0.036670	0.084575	1.0900
137	4.9574	1.4486	0.049251	0.11359	1.2700
142	4.8238	1.4397	0.048947	0.11289	1.3500

>ADDITIONAL PRESSURE RATIOS , FREEBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.9584	1.7768	0.060410	0.13933	-1.0000
-112	5.9034	1.7604	0.059852	0.13804	-1.0000
-122	5.7833	1.7246	0.058635	0.13524	-1.0000
-127	3.6168	1.0786	0.036670	0.084575	-1.0000
-137	4.9574	1.4486	0.049251	0.11359	-1.0000
-142	4.8238	1.4397	0.048947	0.11289	-1.0000
-152	3.5768	1.0666	0.036264	0.083639	-1.0000
-157	3.5768	1.0666	0.036264	0.083639	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5768	1.0666	0.036264	0.083639	-1.0000
-157	3.5768	1.0666	0.036264	0.083639	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5768	1.0666	0.036264	0.083639	-1.0000
-172	3.6018	1.0681	0.036314	0.083756	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.2064	0.95619	0.032509	0.074979	-1.0000
-187	3.2115	0.95768	0.032560	0.075096	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

*ASE-ENMIS PRELIMINARY DATA 06/10/79 CADDELL PEC 10/11/79 04:05:47.209 FAC 9X6X1 PG# C034 RNG 1993

>ADDITIONAL PRESSURE RATIOS , PRIMARY RING

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
72	13.027	4.3145	0.21543	0.43205	0.43200
77	7.7513	2.2773	0.11381	0.22659	0.53000
67	6.2877	2.8771	0.14374	0.28677	1.62700
57	6.3272	2.8894	0.14441	0.28831	0.72760

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
67	13.603	3.2845	0.16415	0.32738	0.42200
47	7.6414	2.3052	0.11521	0.22977	0.67300

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	25.354	8.3381	0.40027	0.79831	0.50800
82	12.948	4.0236	0.20109	0.40103	0.58300
62	3.4375	1.0449	0.052223	0.10414	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	3.8831	1.2029	0.060118	0.11990	0.62400
117	3.8380	1.1890	0.059421	0.11851	0.83000
122	3.7479	1.1611	0.058026	0.11573	0.96000
127	3.6425	1.0633	0.053142	0.10599	1.0900
137	3.5827	1.1099	0.055468	0.11063	1.2200
142	3.5226	1.0913	0.054537	0.10877	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	3.8831	1.2029	0.060118	0.11990	-1.0000
-117	3.8380	1.1890	0.059421	0.11851	-1.0000
-122	3.7479	1.1611	0.058026	0.11573	-1.0000
-127	3.6425	1.0633	0.053142	0.10599	-1.0000
-137	3.5827	1.1099	0.055468	0.11063	-1.0000
-142	3.5226	1.0913	0.054537	0.10877	-1.0000
-152	3.4225	1.0602	0.052987	0.10568	-1.0000
-157	3.4225	1.0602	0.052987	0.10568	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.4225	1.0602	0.052987	0.10568	-1.0000
-157	3.4225	1.0602	0.052987	0.10568	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.4225	1.0602	0.052987	0.10568	-1.0000
-177	3.4225	1.0602	0.052987	0.10568	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-187	2.9369	0.92839	0.046398	0.092538	-1.0000
-197	3.0619	0.96235	0.047996	0.093979	-1.0000

>PROFILE 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD #CPD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	11.968	3.6614	0.18677	0.43077	0.43700
37	6.3412	1.9410	0.098961	0.22824	0.53500
47	8.0373	2.4497	0.12496	0.28821	0.62500
52	8.0323	2.4573	0.12535	0.28911	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD #CPD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	9.1327	2.7940	0.14252	0.32872	0.42200
67	6.4113	1.9614	0.10005	0.23076	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD #CPD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	25.724	7.8697	0.40144	0.92588	0.50800
82	12.918	3.9521	0.20160	0.46496	0.58300
92	3.4933	1.0687	0.054516	0.12573	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD #CPD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	3.8738	1.1851	0.060453	0.13943	0.62400
112	3.8337	1.1729	0.059828	0.13799	0.83000
122	3.7386	1.1438	0.058344	0.13456	0.96000
127	3.4883	1.0672	0.054437	0.12555	1.0400
137	3.1478	0.96302	0.049124	0.11330	1.2200
142	3.1224	0.95536	0.048734	0.11240	1.3500

>ADDITIONAL PRESSURE RATIOS , SECONDARY INLET

AVD #CPD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	3.8738	1.1851	0.060453	0.13943	-1.0000
-112	3.8337	1.1729	0.059828	0.13799	-1.0000
-122	3.7386	1.1438	0.058344	0.13456	-1.0000
-127	3.4883	1.0672	0.054437	0.12555	-1.0000
-137	3.1478	0.96302	0.049124	0.11330	-1.0000
-142	3.1224	0.95536	0.048734	0.11240	-1.0000
-152	3.4733	1.0626	0.054203	0.12501	-1.0000
-157	3.4733	1.0626	0.054203	0.12501	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD #CPD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-162	3.4733	1.0626	0.054203	0.12501	-1.0000
-167	3.4733	1.0626	0.054203	0.12501	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD #CPD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.4733	1.0641	0.054281	0.12519	-1.0000
-172	3.4733	1.0626	0.054203	0.12501	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD #CPD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.0176	0.92319	0.047093	0.10861	-1.0000
-187	3.0727	0.94004	0.047952	0.11060	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Run 15

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.090	3.7218	0.19647	0.43202	0.43200
37	6.3847	1.9624	0.098588	0.22736	0.53000
47	5.0781	2.4932	0.13470	0.28757	0.62900
52	8.0881	2.4952	0.13485	0.29792	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	9.2138	2.8311	0.14223	0.32809	0.42230
67	6.4517	1.9826	0.099592	0.22967	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	26.094	9.0178	0.43279	0.92889	0.50800
82	13.075	4.0176	0.20183	0.46545	0.58300
92	3.4780	1.0687	0.053689	0.12381	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	3.9137	1.2026	0.060414	0.13932	0.62400
112	3.8736	1.1903	0.059795	0.13790	0.83000
122	3.7785	1.1610	0.058327	0.13451	0.96300
127	3.4630	1.0641	0.053457	0.12328	1.0900
137	3.1826	0.97791	0.049128	0.11329	1.2200
142	3.1475	0.96714	0.048587	0.11205	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	3.9137	1.2026	0.060414	0.13932	-1.0000
-112	3.8736	1.1903	0.059795	0.13790	-1.0000
-122	3.7785	1.1610	0.058327	0.13451	-1.0000
-127	3.4630	1.0641	0.053457	0.12328	-1.0000
-137	3.1826	0.97791	0.049128	0.11329	-1.0000
-142	3.1475	0.96714	0.048587	0.11205	-1.0000
-152	3.4530	1.0610	0.053302	0.12292	-1.0000
-157	3.4580	1.0625	0.053380	0.12310	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4530	1.0610	0.053302	0.12292	-1.0000
-157	3.4580	1.0625	0.053380	0.12310	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4580	1.0625	0.053380	0.12310	-1.0000
-172	3.4580	1.0625	0.053380	0.12310	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.9973	0.92087	0.046267	0.10670	-1.0000
-187	3.0472	0.93636	0.047041	0.10848	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	10.718	3.2933	0.16559	0.42966	0.43200
37	5.6825	1.7460	0.087792	0.22780	0.53000
47	7.1431	2.2010	0.11067	0.28715	0.62900
52	7.1781	2.2056	0.11090	0.28775	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	8.1783	2.5129	0.12635	0.32784	0.42200
67	5.7376	1.7630	0.088642	0.23000	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	26.073	8.0113	0.40281	1.0452	0.50800
82	13.052	4.3105	0.20165	0.52322	0.58300
92	3.4759	1.0680	0.053701	0.13934	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	3.9063	1.2003	0.060351	0.15659	0.62400
112	3.8663	1.1880	0.059732	0.15499	0.83000
122	3.7762	1.1603	0.058340	0.15138	0.96000
127	3.4709	1.0665	0.053624	0.13914	1.0900
137	2.8653	0.88042	0.044268	0.11486	1.2200
142	2.8153	0.86504	0.043496	0.11286	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	3.9063	1.2003	0.060351	0.15659	-1.0000
-112	3.8663	1.1880	0.059732	0.15499	-1.0000
-122	3.7762	1.1603	0.058340	0.15138	-1.0000
-127	3.4709	1.0665	0.053624	0.13914	-1.0000
-137	2.8653	0.88042	0.044268	0.11486	-1.0000
-142	2.8153	0.86504	0.043496	0.11286	-1.0000
-152	3.4609	1.0634	0.053469	0.13874	-1.0000
-157	3.4609	1.0634	0.053469	0.13874	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4609	1.0634	0.053469	0.13874	-1.0000
-157	3.4609	1.0634	0.053469	0.13874	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4609	1.0634	0.053469	0.13874	-1.0000
-172	3.4659	1.0650	0.053547	0.13894	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	2.9905	0.91887	0.046201	0.11988	-1.0000
-187	2.9455	0.90378	0.045441	0.11793	-1.0000

>ADDITIONAL MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PC	PL/PTF	PL/PTP	X/DMAX
32	15.533	4.8065	0.21528	0.43158	0.43200
37	8.1732	2.5210	0.11291	0.22636	0.53000
47	10.359	3.1351	0.14311	0.28680	0.62500
52	10.399	3.2075	0.14366	0.29800	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PC	PL/PTF	PL/PTP	X/DMAX
62	11.969	3.6609	0.16397	0.32871	0.42200
67	8.2933	2.5580	0.11457	0.22968	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PC	PL/PTF	PL/PTP	X/DMAX
77	29.384	9.0634	0.40595	0.81380	0.50800
82	14.593	4.5013	0.20161	0.40417	0.58300
92	3.4692	1.0701	0.047928	0.096081	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PC	PL/PTF	PL/PTP	X/DMAX
107	4.3853	1.3526	0.060584	0.12145	0.62400
112	4.3353	1.3372	0.059893	0.12007	0.83000
122	4.2251	1.3032	0.058371	0.11702	0.96000
127	3.4642	1.0685	0.047859	0.095942	1.0900
137	4.0199	1.2399	0.055536	0.11133	1.2200
142	3.9548	1.2198	0.054637	0.10953	1.3500

>ADDITIONAL PRESSURE RATIOS , FORECOW INLET

AVD WORD	PL	PL/PC	PL/PTF	PL/PTP	X/DMAX
-107	4.3853	1.3526	0.060584	0.12145	-1.0000
-112	4.3353	1.3372	0.059893	0.12007	-1.0000
-122	4.2251	1.3032	0.058371	0.11702	-1.0000
-127	3.4642	1.0685	0.047859	0.095942	-1.0000
-137	4.0199	1.2399	0.055536	0.11133	-1.0000
-142	3.9548	1.2198	0.054637	0.10953	-1.0000
-152	3.4442	1.0623	0.047582	0.095388	-1.0000
-157	3.4492	1.0639	0.047651	0.095526	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PC	PL/PTF	PL/PTP	X/DMAX
-152	3.4442	1.0623	0.047582	0.095388	-1.0000
-157	3.4492	1.0639	0.047651	0.095526	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PC	PL/PTF	PL/PTP	X/DMAX
-167	3.4492	1.0639	0.047651	0.095526	-1.0000
-172	3.4492	1.0639	0.047651	0.095526	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PC	PL/PTF	PL/PTP	X/DMAX
-182	2.9996	0.92581	0.041398	0.082769	-1.0000
-187	3.0296	0.93725	0.041979	0.084156	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.542	4.1611	0.18589	0.47013	0.43200
37	7.1488	2.2071	0.098139	0.22705	0.53000
47	9.0439	2.7927	0.12414	0.28725	0.62900
52	9.0589	2.7999	0.12449	0.28804	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.314	3.1843	0.14157	0.32758	0.42200
67	7.2138	2.2276	0.099097	0.22976	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	29.527	9.1161	0.40531	0.93782	0.50800
82	14.677	4.5313	0.20146	0.46615	0.58300
87	3.4467	1.0642	0.047449	0.10979	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	4.4125	1.3623	0.060569	0.14015	0.62400
112	4.3624	1.3469	0.059882	0.13856	0.63000
122	4.2526	1.3129	0.058371	0.13506	0.96000
127	3.4667	1.0703	0.047587	0.11011	1.0500
137	3.5668	1.1012	0.048960	0.11329	1.2200
142	3.5348	1.0919	0.048548	0.11233	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	4.4125	1.3623	0.060569	0.14015	-1.0000
-112	4.3624	1.3469	0.059882	0.13856	-1.0000
-122	4.2526	1.3129	0.058371	0.13506	-1.0000
-127	3.4667	1.0703	0.047547	0.11011	-1.0000
-137	3.5668	1.1012	0.048960	0.11329	-1.0000
-142	3.5348	1.0919	0.048548	0.11233	-1.0000
-152	3.4417	1.0626	0.047243	0.10931	-1.0000
-157	3.4417	1.0626	0.047243	0.10931	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4417	1.0626	0.047243	0.10931	-1.0000
-157	3.4417	1.0626	0.047243	0.10931	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4467	1.0641	0.047312	0.10947	-1.0000
-172	3.4467	1.0641	0.047312	0.10947	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.9962	0.92505	0.041129	0.095164	-1.0000
-187	3.0643	0.94051	0.041816	0.096754	-1.0000

>ADDITIONAL S , MEASURED INLET PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
32	12.071	3.7265	0.16590	0.43068	0.43200
37	6.3891	1.9725	0.087811	0.22797	0.53000
47	8.0650	2.4899	0.11086	0.28776	0.62400
52	8.0950	2.4991	0.11126	0.28886	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
62	9.2306	2.8504	0.12645	0.32827	0.42200
67	6.4592	1.9941	0.088776	0.23047	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	29.455	9.0935	0.40483	1.0510	0.50800
82	14.655	4.5244	0.20142	0.52290	0.58300
92	3.4613	1.0686	0.047572	0.12350	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	4.4024	1.3591	0.060506	0.15708	0.62400
112	4.3523	1.3437	0.059819	0.15529	0.83000
122	4.2522	1.3128	0.058442	0.15172	0.96000
127	3.4563	1.0670	0.047503	0.12332	1.0630
137	3.2210	0.99440	0.044269	0.11493	1.2200
142	3.1769	0.98069	0.043669	0.11332	1.2500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	4.4024	1.3591	0.060506	0.15708	-1.0000
-112	4.3523	1.3437	0.059819	0.15529	-1.0000
-122	4.2522	1.3128	0.058442	0.15172	-1.0000
-127	3.4563	1.0670	0.047503	0.12332	-1.0000
-137	3.2210	0.99440	0.044269	0.11493	-1.0000
-142	3.1769	0.98069	0.043669	0.11332	-1.0000
-152	3.4413	1.0624	0.047296	0.12279	-1.0000
-157	3.4413	1.0624	0.047296	0.12279	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4413	1.0624	0.047296	0.12279	-1.0000
-157	3.4413	1.0624	0.047296	0.12279	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SPOKED LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4413	1.0624	0.047296	0.12279	-1.0000
-172	3.4413	1.0624	0.047296	0.12279	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SPOKED LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.9857	0.92184	0.041172	0.10689	-1.0000
-187	3.0457	0.94030	0.041993	0.10907	-1.0000

>ADDITIONAL PRESSURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	17.469	5.3604	0.21546	0.43006	0.43200
37	9.1668	2.8130	0.11307	0.22569	0.53000
47	11.621	3.5662	0.14334	0.28612	0.62900
52	11.686	3.5862	0.14415	0.28772	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	13.301	4.0816	0.16406	0.32746	0.42200
67	9.3368	2.8560	0.11479	0.22913	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	32.801	10.066	0.40469	0.80757	0.50800
82	16.284	4.9970	0.20085	0.40081	0.58300
92	3.4942	1.0692	0.042977	0.085782	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	4.9304	1.5038	0.060445	0.12065	0.62400
112	4.8404	1.4854	0.059704	0.11917	0.83000
122	4.7333	1.4516	0.058346	0.11646	0.96000
127	3.4893	1.0707	0.043039	0.085905	1.0900
137	4.5101	1.3840	0.055631	0.11104	1.2200
142	4.4401	1.3625	0.054766	0.10932	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	4.9004	1.5038	0.060445	0.12065	-1.0000
-112	4.8414	1.4854	0.059704	0.11917	-1.0000
-122	4.7333	1.4516	0.058346	0.11646	-1.0000
-127	3.4893	1.0707	0.043038	0.085905	-1.0000
-137	4.5101	1.3840	0.055631	0.11104	-1.0000
-142	4.4401	1.3625	0.054766	0.10932	-1.0000
-152	3.4592	1.0615	0.042668	0.085166	-1.0000
-157	3.4642	1.0631	0.042733	0.085289	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN RETURN FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4592	1.0615	0.042668	0.085166	-1.0000
-157	3.4642	1.0631	0.042730	0.085289	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4662	1.0631	0.042730	0.085289	-1.0000
-172	3.4592	1.0615	0.042668	0.085166	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.0338	0.93097	0.037420	0.074692	-1.0000
-187	3.0799	0.94480	0.037976	0.075801	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

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OF POOR QUALITY

Run 13

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	15.003	4.5969	0.18409	0.43063	0.43200
37	7.9121	2.4243	0.097611	0.22711	0.53000
47	10.303	3.0669	0.12349	0.28712	0.62900
52	10.048	3.0787	0.12396	0.28841	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	11.413	3.4970	0.14089	0.32760	0.42200
67	8.0072	2.4534	0.098783	0.22983	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	32.655	10.006	0.40286	0.93732	0.50800
82	16.252	4.9798	0.20050	0.46650	0.58300
92	3.4831	1.0672	0.042971	0.099978	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	4.8948	1.4998	0.060386	0.14050	0.62400
112	4.8348	1.4814	0.059645	0.13877	0.83000
122	4.7296	1.4492	0.058349	0.13576	0.96000
127	3.4831	1.0672	0.042971	0.099978	1.0400
137	3.8287	1.2038	0.048468	0.11277	1.2700
142	3.8137	1.1992	0.048282	0.11234	1.3500

>ADDITIONAL PRESSURE RATIOS , FORCEBOX INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	4.8948	1.4998	0.060386	0.14050	-1.0000
-112	4.8348	1.4814	0.059645	0.13877	-1.0000
-122	4.7296	1.4492	0.058349	0.13576	-1.0000
-127	3.4831	1.0672	0.042971	0.099978	-1.0000
-137	3.8287	1.2038	0.048468	0.11277	-1.0000
-142	3.8137	1.1992	0.048282	0.11234	-1.0000
-152	3.4631	1.0611	0.042724	0.099403	-1.0000
-157	3.4631	1.0611	0.042724	0.099403	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-157	3.4631	1.0611	0.042724	0.099403	-1.0000
-157	3.4631	1.0611	0.042724	0.099403	-1.0000

>ADDITIONAL PRESSURE RATIOS , 70 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4631	1.0611	0.042724	0.099403	-1.0000
-172	3.4631	1.0611	0.042724	0.099403	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-187	3.0675	0.93377	0.037597	0.087475	-1.0000
-192	3.1976	0.94911	0.038215	0.088912	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Run 15

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.465	4.1255	0.16605	0.43047	0.43200
37	7.1094	2.1782	0.087677	0.22729	0.53600
47	8.9950	2.7561	0.11093	0.28757	0.62500
52	9.0333	2.7637	0.11124	0.28837	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.250	3.1406	0.12641	0.32770	0.42200
67	7.1944	2.2313	0.088602	0.22969	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	32.689	10.016	0.40313	1.0451	0.50800
82	16.273	4.9861	0.20069	0.52026	0.58300
87	3.4915	1.0667	0.042935	0.11130	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	4.8979	1.5007	0.060404	0.15659	0.62400
112	4.8329	1.4808	0.059601	0.15451	0.83000
122	4.7178	1.4455	0.058182	0.15083	0.96000
127	3.4915	1.0667	0.042935	0.11130	1.0900
137	3.5716	1.0943	0.044047	0.11418	1.2230
142	3.5365	1.0836	0.043615	0.11306	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	4.8979	1.5007	0.060404	0.15659	-1.0000
-112	4.8329	1.4808	0.059601	0.15451	-1.0000
-122	4.7178	1.4455	0.058182	0.15083	-1.0000
-127	3.4915	1.0667	0.042935	0.11130	-1.0000
-137	3.5716	1.0943	0.044047	0.11418	-1.0000
-142	3.5365	1.0836	0.043615	0.11306	-1.0000
-152	3.4665	1.0621	0.042750	0.11082	-1.0000
-157	3.4665	1.0621	0.042750	0.11082	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4665	1.0621	0.042750	0.11082	-1.0000
-157	3.4665	1.0621	0.042750	0.11082	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4669	1.0621	0.042750	0.11082	-1.0000
-172	3.4715	1.0637	0.042812	0.11098	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-192	3.0309	0.92868	0.037379	0.096900	-1.0000
-197	3.1810	0.97461	0.039226	0.098500	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	19.922	5.8164	0.21236	0.42986	0.43200
37	9.8544	3.0452	0.11118	0.22505	0.53000
47	12.524	3.8703	0.14131	0.28603	0.62900
52	12.589	3.8903	0.14206	0.28752	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
67	14.369	4.4403	0.16212	0.32816	0.42200
67	10.029	3.0993	0.11316	0.22905	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	35.593	10.996	0.40147	0.81265	0.50000
82	17.833	5.5106	0.20120	0.40726	0.58300
92	3.4550	1.0676	0.038981	0.078903	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	5.3721	1.6601	0.060610	0.12269	0.62400
112	5.3220	1.6446	0.060046	0.12154	0.83000
122	5.1919	1.6044	0.058578	0.11857	0.96000
127	3.4750	1.0738	0.039207	0.079361	1.0900
137	4.8016	1.5116	0.055189	0.11171	1.2200
142	4.8165	1.4884	0.054342	0.11000	1.3500

>ADDITIONAL PRESSURE RATIOS , CONVERGN SHEET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	5.3721	1.6601	0.060610	0.12269	-1.0000
-112	5.3220	1.6446	0.060046	0.12154	-1.0000
-122	5.1919	1.6044	0.058578	0.11857	-1.0000
-127	3.4750	1.0738	0.039207	0.079361	-1.0000
-137	4.8016	1.5116	0.055189	0.11171	-1.0000
-142	4.8165	1.4884	0.054342	0.11000	-1.0000
-152	3.4449	1.0645	0.038868	0.078675	-1.0000
-157	3.4399	1.0630	0.038811	0.078560	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4449	1.0645	0.038868	0.078675	-1.0000
-157	3.4399	1.0630	0.038811	0.078560	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4399	1.0630	0.038811	0.078560	-1.0000
-172	3.4369	1.0614	0.038755	0.078446	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.3264	0.93658	0.034123	0.069070	-1.0000
-187	3.3235	0.95140	0.034744	0.070328	-1.0030

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	16.396	5.0647	0.18524	0.43114	0.43200
37	8.6160	2.6614	0.097344	0.22656	0.53000
47	10.935	3.3778	0.12355	0.28754	0.62900
52	10.985	3.3932	0.12411	0.28886	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	12.479	3.8548	0.14099	0.32815	0.42200
67	8.7510	2.7031	0.098869	0.23011	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	35.461	10.954	0.40064	0.93245	0.50000
82	17.795	5.4967	0.20105	0.46792	0.58300
92	3.4546	1.0671	0.039031	0.090840	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	5.3607	1.6559	0.060565	0.14096	0.62400
112	5.3037	1.6373	0.059887	0.13938	0.83000
122	5.1806	1.6003	0.058531	0.13623	0.96000
127	3.4696	1.0717	0.039200	0.091235	1.0900
137	4.3102	1.3314	0.048697	0.11334	1.2200
142	4.2852	1.3237	0.048414	0.11268	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	5.3607	1.6559	0.060565	0.14096	-1.0000
-112	5.3037	1.6373	0.059887	0.13938	-1.0000
-122	5.1806	1.6003	0.058531	0.13623	-1.0000
-127	3.4696	1.0717	0.039200	0.091235	-1.0000
-137	4.3102	1.3314	0.048697	0.11334	-1.0000
-142	4.2852	1.3237	0.048414	0.11268	-1.0000
-152	3.4396	1.0625	0.038861	0.090446	-1.0000
-157	3.4396	1.0625	0.038861	0.090446	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4396	1.0625	0.038861	0.090446	-1.0000
-157	3.4396	1.0625	0.038861	0.090446	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4396	1.0625	0.038861	0.090446	-1.0000
-172	3.4396	1.0625	0.038861	0.090446	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.0343	0.93800	0.034292	0.079598	-1.0000
-187	3.1503	0.94500	0.034564	0.080445	-1.0000

>SECTION 5 , MEASURED INPUT PARAMETERS

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Run 15

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.773	4.5340	0.16562	0.43115	0.43200
37	7.7696	2.3846	0.087106	0.22675	0.53000
47	9.9598	3.0761	0.11054	0.28775	0.62900
52	9.8898	3.0353	0.11088	0.28863	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.235	3.4480	0.12595	0.32788	0.42200
67	7.8797	2.4183	0.088339	0.22996	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	35.743	10.970	0.40071	1.0431	0.50800
82	17.936	5.5048	0.20109	0.52346	0.58300
92	3.4770	1.0671	0.038981	0.10147	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.3936	1.6553	0.060468	0.15741	0.62400
112	5.3486	1.6415	0.059963	0.15609	0.83000
122	5.2135	1.6001	0.058449	0.15215	0.96000
127	3.4870	1.0702	0.039093	0.10177	1.0900
137	3.9374	1.2084	0.044143	0.11491	1.2200
142	3.8874	1.1931	0.043582	0.11345	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.3936	1.6553	0.060468	0.15741	-1.0000
-112	5.3486	1.6415	0.059963	0.15609	-1.0000
-122	5.2135	1.6001	0.058449	0.15215	-1.0000
-127	3.4870	1.0702	0.039093	0.10177	-1.0000
-137	3.9374	1.2084	0.044143	0.11491	-1.0000
-142	3.8874	1.1931	0.043582	0.11345	-1.0000
-152	3.4623	1.0625	0.038812	0.10104	-1.0000
-157	3.4569	1.0610	0.038756	0.10089	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLAN

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4620	1.0625	0.038812	0.10104	-1.0000
-157	3.4569	1.0610	0.038756	0.10089	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-162	3.4623	1.0625	0.038812	0.10104	-1.0000
-167	3.4569	1.0610	0.038756	0.10089	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.0215	0.92732	0.033874	0.088180	-1.0000
-187	3.0165	0.94422	0.034491	0.089787	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

RUN 15

NASA-LEWIS PRELIMINARY DATA 06/10/79 CADDEII PEC 10/11/79 04:21:39.211 FAC 9X6X1 PGM CQ34 RDG 1096

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	18.106	5.5505	0.19582	0.43133	0.43200
37	9.4829	2.9071	0.097325	0.22591	0.53000
47	12.338	3.6904	0.12355	0.28678	0.62900
52	12.398	3.7087	0.12416	0.28821	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	13.792	4.2283	0.14155	0.32858	0.42200
67	9.6429	2.9561	0.098967	0.22972	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	38.729	11.873	0.39749	0.92266	0.50800
82	19.610	6.0116	0.20126	0.46717	0.58300
92	3.4840	1.0681	0.035757	0.083000	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	5.8813	1.8030	0.060361	0.14011	0.62400
112	5.8463	1.7923	0.060002	0.13928	0.83000
122	5.7062	1.7493	0.058564	0.13594	0.96000
127	3.6040	1.0742	0.035963	0.083477	1.0900
132	4.7604	1.4594	0.048857	0.11341	1.2200
142	4.7303	1.4501	0.048549	0.11269	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	5.8813	1.8030	0.060361	0.14011	-1.0000
-112	5.8463	1.7923	0.060002	0.13928	-1.0000
-122	5.70[illegible]	1.7493	0.058564	0.13594	-1.0000
-127	3.5040	1.0742	0.035963	0.083477	-1.0000
-132	4.7604	1.4594	0.048857	0.11341	-1.0000
-142	4.7303	1.4501	0.048549	0.11269	-1.0000
-152	3.4590	1.0604	0.035500	0.082404	-1.0000
-157	3.4693	1.0635	0.035603	0.082642	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4590	1.0604	0.035500	0.082404	-1.0000
-157	3.4690	1.0635	0.035603	0.082642	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4690	1.0635	0.035603	0.082642	-1.0000
-172	3.4693	1.0635	0.035603	0.082642	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.0435	0.93301	0.031236	0.072505	-1.0000
-187	3.0395	0.94989	0.031801	0.073817	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Run 15

NASA-LEWIS PRELIMINARY DATA 06/19/79 CADDELL REF 10/11/79 04:22:32.138 FAC AX6X1 PGM C034 PAG 1097

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	16.179	4.8590	0.16549	0.43099	0.43200
37	8.5339	2.6367	0.086592	0.22608	0.53000
47	11.783	3.3053	0.11030	0.28666	0.62900
52	10.928	3.3190	0.11076	0.28786	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	12.307	3.7724	0.12589	0.32717	0.42200
67	8.6239	2.6435	0.088219	0.22927	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	38.747	11.877	0.39637	1.0301	0.50800
82	19.659	6.0261	0.20110	0.52263	0.58300
92	3.4984	1.0693	0.035686	0.092740	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	5.8992	1.8083	0.060347	0.15683	0.62400
112	5.8692	1.7991	0.060040	0.15603	0.83000
122	5.7342	1.7577	0.058659	0.15244	0.96000
127	3.5334	1.0739	0.035839	0.093135	1.0900
137	4.3238	1.3256	0.044231	0.11495	1.2200
142	4.2789	1.3116	0.043771	0.11375	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	5.8992	1.8083	0.060347	0.15683	-1.0000
-112	5.8692	1.7991	0.060040	0.15603	-1.0000
-122	5.7342	1.7577	0.058659	0.15244	-1.0000
-127	3.5334	1.0739	0.035839	0.093135	-1.0000
-137	4.3238	1.3256	0.044231	0.11495	-1.0000
-142	4.2789	1.3116	0.043771	0.11375	-1.0000
-152	3.4634	1.0616	0.035439	0.092075	-1.0000
-157	3.4634	1.0616	0.035439	0.092075	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4634	1.0616	0.035439	0.092075	-1.0000
-157	3.4634	1.0616	0.035439	0.092075	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD DEFLATION

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4634	1.0632	0.035481	0.092208	-1.0000
-172	3.4634	1.0616	0.035439	0.092075	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD DEFLATION

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-187	3.0281	0.92822	0.030977	0.080503	-1.0000
-192	3.0732	0.94203	0.031438	0.081701	-1.0000

>SECTION E , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	19.112	5.5466	0.18527	0.43096	0.43200
37	9.4702	2.5029	0.096544	0.22555	0.53000
47	12.156	3.6921	0.12333	0.28687	0.62900
52	12.111	3.7389	0.12386	0.28817	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	13.804	4.2272	0.14129	0.32845	0.42200
67	9.6490	2.9549	0.098702	0.22959	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	38.708	11.854	0.39595	0.92101	0.50800
82	19.640	6.0143	0.20090	0.46730	0.58300
87	3.4872	1.0679	0.035671	0.082974	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	5.8818	1.8012	0.060165	0.13995	0.62400
112	5.8518	1.7920	0.059859	0.13924	0.83000
122	5.7218	1.7522	0.058529	0.13614	0.96000
127	3.5322	1.0725	0.035824	0.083330	1.0900
132	4.7571	1.4568	0.048661	0.11319	1.2200
142	4.7321	1.4491	0.048405	0.11260	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	5.8818	1.8012	0.060165	0.13995	-1.0000
-112	5.8518	1.7920	0.059859	0.13924	-1.0000
-122	5.7218	1.7522	0.058529	0.13614	-1.0000
-127	3.5322	1.0725	0.035824	0.083330	-1.0000
-132	4.7571	1.4568	0.048661	0.11319	-1.0000
-142	4.7321	1.4491	0.048405	0.11260	-1.0000
-152	3.4672	1.0618	0.035466	0.082498	-1.0000
-157	3.4672	1.0618	0.035466	0.082498	-1.0000

>ADDITIONAL PRESSURE RATIOS , FTP NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4672	1.0618	0.035466	0.082498	-1.0000
-157	3.4672	1.0618	0.035466	0.082498	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-162	3.4672	1.0618	0.035466	0.082498	-1.0000
-172	3.4672	1.0618	0.035466	0.082498	-1.0000

>ADDITIONAL PRESSURE RATIOS , NO DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.3621	1.0316	0.034419	0.080084	-1.0000
-187	3.4321	1.0460	0.035103	0.081674	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	16.446	5.0791	0.18481	0.43047	0.43200
37	8.6289	2.6649	0.096962	0.22586	0.53000
47	10.969	3.3875	0.12726	0.29710	0.62900
52	11.094	3.4045	0.12387	0.28854	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	12.533	3.8707	0.14084	0.32805	0.42200
67	8.7789	2.7112	0.098648	0.22978	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	35.397	10.932	0.39775	0.92649	0.50400
82	17.890	5.5251	0.20103	0.46827	0.58300
92	3.4610	1.0689	0.038891	0.090589	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	5.3826	1.6623	0.060485	0.14089	0.62400
117	5.3226	1.6438	0.059813	0.13932	0.83000
122	5.2075	1.6082	0.058517	0.13630	0.96000
127	3.4719	1.0719	0.039004	0.090851	1.0900
137	4.3318	1.3378	0.048677	0.11338	1.2200
142	4.3118	1.3316	0.048452	0.11286	1.3500

>ADDITIONAL PRESSURE RATIOS , FORE DOOR INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	5.3826	1.6623	0.060485	0.14089	-1.0000
-117	5.3226	1.6438	0.059813	0.13932	-1.0000
-122	5.2075	1.6082	0.058517	0.13630	-1.0000
-127	3.4719	1.0719	0.039004	0.090851	-1.0000
-137	4.3318	1.3378	0.048677	0.11338	-1.0000
-142	4.3118	1.3316	0.048452	0.11286	-1.0000
-152	3.4413	1.0627	0.038666	0.090065	-1.0000
-157	3.4463	1.0642	0.038722	0.090196	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4413	1.0627	0.038666	0.090065	-1.0000
-157	3.4463	1.0642	0.038722	0.090196	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4381	1.0611	0.038610	0.089934	-1.0000
-172	3.4413	1.0627	0.038665	0.090065	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.3355	0.92818	0.037373	0.086667	-1.0000
-187	3.3565	0.94364	0.034335	0.079977	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	14.906	4.6102	0.18585	0.43056	0.43200
37	7.9372	2.4539	0.097714	0.22637	0.52000
47	3.9474	3.0766	0.12402	0.28733	0.62900
52	3.9774	3.0959	0.12440	0.28820	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	11.347	3.5096	0.14148	0.32776	0.42200
67	7.9572	2.4611	0.099210	0.22984	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	32.114	9.9324	0.40040	0.92760	0.50800
82	16.150	4.9951	0.20136	0.46650	0.58300
92	3.4643	1.0715	0.043193	0.10006	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	4.8606	1.5033	0.060602	0.14040	0.62400
112	4.8056	1.4863	0.059916	0.13881	0.83000
122	4.6905	1.4507	0.058481	0.13548	0.96000
127	3.4643	1.0715	0.043193	0.10006	1.0900
137	3.9248	1.2139	0.048934	0.11337	1.2200
142	3.8947	1.2046	0.048559	0.11250	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREDOOR INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	4.8606	1.5033	0.060602	0.14040	-1.0000
-112	4.8056	1.4863	0.059916	0.13881	-1.0000
-122	4.6905	1.4507	0.058481	0.13548	-1.0000
-127	3.4643	1.0715	0.043193	0.10006	-1.0000
-137	3.9248	1.2139	0.048934	0.11337	-1.0000
-142	3.8947	1.2046	0.048559	0.11250	-1.0000
-152	3.4393	1.0637	0.042881	0.099342	-1.0000
-157	3.4393	1.0637	0.042881	0.099342	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4393	1.0637	0.042881	0.099342	-1.0000
-157	3.4393	1.0637	0.042881	0.099342	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4443	1.0653	0.042943	0.099486	-1.0000
-172	3.4443	1.0653	0.042943	0.099486	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	2.9999	0.92747	0.037388	0.086618	-1.0000
-187	3.0538	0.94450	0.038075	0.088209	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Run 15

NASA-LEWIS PRELIMINARY DATA 05/10/79 CADDELL REC 10/11/79 04:25:29.184 FAC 9X6RI PG= 0034 RNG 1131

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	13.541	4.1824	0.18763	0.43130	0.43200
37	7.1574	2.2091	0.098576	0.22780	0.53000
42	4.0392	1.2918	0.12458	0.28703	0.62900
52	2.8742	2.8026	0.12506	0.28901	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	10.315	3.1859	0.14216	0.32854	0.42200
67	7.2325	2.2338	0.099680	0.23036	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	29.014	8.9612	0.39988	0.92411	0.50800
82	14.597	4.5083	0.20118	0.46491	0.58300
92	3.4522	1.0662	0.047578	0.10995	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	4.3837	1.3539	0.060418	0.13962	0.62400
112	4.3387	1.3400	0.059796	0.13819	0.83000
122	4.2285	1.3060	0.058278	0.13468	0.96000
127	3.4522	1.0662	0.047578	0.10995	1.0900
137	3.5623	1.1003	0.049097	0.11346	1.2200
142	3.5223	1.0879	0.048545	0.11218	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	4.3837	1.3539	0.060418	0.13962	-1.0000
-112	4.3387	1.3400	0.059796	0.13819	-1.0000
-122	4.2285	1.3060	0.058278	0.13468	-1.0000
-127	3.4522	1.0662	0.047578	0.10995	-1.0000
-137	3.5623	1.1003	0.049097	0.11346	-1.0000
-142	3.5223	1.0879	0.048545	0.11218	-1.0000
-152	3.4371	1.0616	0.047371	0.10947	-1.0000
-157	3.4421	1.0631	0.047440	0.10963	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4371	1.0616	0.047371	0.10947	-1.0000
-157	3.4421	1.0631	0.047440	0.10963	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SWIRL LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-162	3.4421	1.0631	0.047440	0.10963	-1.0000
-172	3.4421	1.0631	0.047440	0.10963	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SWIRL LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.3113	0.93307	0.041503	0.095912	-1.0000
-192	3.3365	0.94709	0.042243	0.097667	-1.0000

>SECTION 5 , MEASURED INLET PARAMETERS

Run 15

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	12.336	3.7231	0.19653	0.43028	0.43200
37	6.3780	1.9728	0.098825	0.22800	0.53000
47	8.0530	2.4910	0.12478	0.28788	0.62900
52	8.0783	2.4987	0.12517	0.28878	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	9.1828	2.8404	0.14228	0.32827	0.42200
67	6.4530	1.9960	0.099987	0.23068	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	25.769	7.9708	0.39928	0.92119	0.50800
82	13.991	4.0214	0.20144	0.46476	0.58300
92	3.4614	1.0709	0.053639	0.12375	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	3.8970	1.2056	0.060383	0.13931	0.62400
112	3.8520	1.1915	0.059686	0.13770	0.83000
122	3.7670	1.1652	0.058368	0.13466	0.96000
127	3.4467	1.0661	0.053406	0.12322	1.0900
137	3.1765	0.98257	0.049219	0.11356	1.2200
142	3.1365	0.97019	0.048599	0.11213	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR THIRD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	3.8970	1.2056	0.060383	0.13931	-1.0000
-112	3.8520	1.1915	0.059686	0.13770	-1.0000
-122	3.7670	1.1652	0.058369	0.13466	-1.0000
-127	3.4467	1.0661	0.053406	0.12322	-1.0000
-137	3.1765	0.98257	0.049219	0.11356	-1.0000
-142	3.1365	0.97019	0.048599	0.11213	-1.0000
-152	3.4367	1.0631	0.053251	0.12286	-1.0000
-157	3.4417	1.0646	0.053329	0.12304	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4367	1.0631	0.053251	0.12286	-1.0000
-157	3.4417	1.0646	0.053329	0.12304	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SUMMER LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4417	1.0646	0.053329	0.12304	-1.0000
-172	3.4417	1.0646	0.053329	0.12304	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SUMMER LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	2.9964	0.92685	0.046428	0.10712	-1.0000
-187	3.0514	0.94387	0.047281	0.10908	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Row 16

NASA-LEWIS PRELIMINARY DATA CODE-II FACILITY PXEX1 PROGRAM C036 RDGS 1103 TO 1166
TIME AND DATE PROCESSED 01:30:40 JUN 11 1979

NOZZLE TYPE — ROW BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS — SUPER SONIC CRUISE (MS=.04 WT)
NOZZLE CONFIGURATION — C1
PRIMARY-NOZZLE PLUG — SPLIT PLUG (RETRACTED)
FLOW SPLITTER — ISENTROPIC SPLITTER
FAN NOZZLE — SHORT FLAP
CLAMSHELL POSITION
EJECTOR INLET OPENING

RDG	MO	PTE/PTP	PTE/PO	PTP/PO	OMEGA	PTS/PTE	CDF	CDP	CF1	ETA1	ETA1,INT	CFP1	CFP2	F9
1103	1.957	2.32	19.73	8.51	0.000	0.242	1.035	0.980	0.9707	0.9707	0.9739	0.9739	0.9744	1.5156
1104	1.955	2.31	22.25	9.62	0.000	0.242	1.036	0.982	0.9747	0.9747	0.9774	0.9774	0.9779	1.5171
1105	1.958	2.33	25.02	10.73	0.000	0.243	1.037	0.981	0.9787	0.9787	0.9811	0.9811	0.9816	1.5189
1106	1.953	2.33	27.65	11.88	0.000	0.243	1.037	0.981	0.9794	0.9794	0.9816	0.9816	0.9820	1.5190
1108	1.960	0.70	9.03	12.94	0.000	0.807	3.453	0.985	1.0680	1.0680	1.0702	1.0702	1.0706	2.6097
1109	1.959	2.31	29.14	12.60	0.000	0.243	1.040	0.983	0.9799	0.9799	0.9820	0.9820	0.9824	1.5223
1110	1.957	2.32	29.21	12.59	0.000	0.244	1.038	0.982	0.9793	0.9793	0.9813	0.9813	0.9817	1.5190
1111	1.957	2.32	27.69	11.93	0.000	0.243	1.039	0.983	0.9790	0.9790	0.9811	0.9811	0.9816	1.5214
1112	1.958	2.33	24.93	10.72	0.000	0.243	1.037	0.982	0.9808	0.9808	0.9832	0.9832	0.9837	1.5225
1113	1.958	2.31	22.17	9.63	0.000	0.243	1.038	0.982	0.9726	0.9726	0.9754	0.9754	0.9759	1.5167
1114	1.959	2.30	19.56	8.49	0.000	0.243	1.036	0.980	0.9720	0.9720	0.9752	0.9752	0.9757	1.5188
1115	1.963	2.30	19.82	9.93	0.036	0.243	0.973	0.982	1.0081	0.9786	0.9817	1.0112	1.0117	1.5099
1116	1.959	2.31	19.84	8.60	0.039	0.243	0.975	0.982	1.0062	0.9748	0.9781	1.0095	1.0100	1.5139
1117	1.959	2.59	19.79	7.63	0.041	0.243	0.974	0.981	1.0093	0.9763	0.9798	1.0128	1.0133	1.5218
1118	1.960	2.31	22.24	11.07	0.037	0.242	0.973	0.984	1.0123	0.9823	0.9850	1.0150	1.0155	1.5124
1119	1.959	2.31	22.49	9.75	0.039	0.244	0.975	0.981	1.0114	0.9794	0.9823	1.0143	1.0148	1.5152
1120	1.959	2.31	22.32	9.67	0.039	0.244	0.974	0.982	1.0109	0.9790	0.9819	1.0138	1.0143	1.5142
1121	1.959	2.60	22.28	8.58	0.041	0.244	0.976	0.982	1.0114	0.9779	0.9809	1.0144	1.0149	1.5205
1122	1.956	2.01	24.92	12.34	0.037	0.243	0.975	0.984	1.0124	0.9820	0.9844	1.0148	1.0153	1.5117
1123	1.959	2.32	24.86	10.70	0.039	0.243	0.974	0.981	1.0180	0.9854	0.9879	1.0206	1.0210	1.5195
1124	1.959	2.60	24.72	9.52	0.041	0.243	0.974	0.982	1.0151	0.9811	0.9838	1.0179	1.0183	1.5202
1125	1.959	2.30	27.35	13.67	0.036	0.244	0.974	0.984	1.0162	0.9854	0.9876	1.0183	1.0188	1.5149
1126	1.961	2.33	27.38	11.76	0.039	0.244	0.977	0.983	1.0159	0.9831	0.9854	1.0192	1.0197	1.5195
1127	1.958	2.61	27.31	10.48	0.041	0.243	0.973	0.982	1.0165	0.9821	0.9845	1.0189	1.0194	1.5183
1128	1.956	2.32	29.81	12.86	0.039	0.244	0.975	0.983	1.0182	0.9851	0.9872	1.0203	1.0207	1.5200
1129	1.955	2.63	29.45	11.50	0.041	0.244	0.977	0.983	1.0170	0.9824	0.9846	1.0192	1.0196	1.5217
1130	1.955	2.61	29.72	11.41	0.041	0.243	0.974	0.983	1.0223	0.9875	0.9897	1.0246	1.0250	1.5267
1131	1.955	2.33	29.68	12.74	0.039	0.243	0.974	0.985	1.0175	0.9844	0.9865	1.0196	1.0201	1.5198
1132	1.956	2.63	27.45	10.55	0.041	0.244	0.973	0.983	1.0212	0.9867	0.9891	1.0237	1.0241	1.5251
1133	1.956	2.34	27.26	11.66	0.039	0.243	0.974	0.984	1.0168	0.9839	0.9862	1.0191	1.0196	1.5178
1134	1.956	2.32	27.43	13.55	0.037	0.244	0.974	0.983	1.0145	0.9837	0.9858	1.0167	1.0171	1.5125
1135	1.956	2.01	24.89	12.35	0.037	0.244	0.973	0.982	1.0172	0.9867	0.9891	1.0197	1.0201	1.5152
1136	1.955	2.32	24.74	10.67	0.039	0.243	0.975	0.985	1.0137	0.9813	0.9839	1.0162	1.0167	1.5169
1137	1.956	2.63	24.82	9.55	0.041	0.243	0.975	0.983	1.0183	0.9842	0.9869	1.0210	1.0214	1.5248
1138	1.956	2.63	22.32	8.59	0.041	0.243	0.974	0.982	1.0138	0.9802	0.9832	1.0168	1.0173	1.5216
1139	1.956	2.31	22.32	9.66	0.039	0.243	0.973	0.983	1.0124	0.9804	0.9833	1.0153	1.0157	1.5158
1140	1.956	2.31	22.45	11.15	0.037	0.243	0.975	0.983	1.0109	0.9808	0.9835	1.0136	1.0141	1.5117
1141	1.957	2.63	19.81	7.64	0.041	0.243	0.971	0.981	1.0137	0.9799	0.9833	1.0166	1.0171	1.5249

NASA-LEWIS PRELIMINARY DATA CADDE-II FACILITY AYEX1 PROGRAM C034 PDGS 1103 TO 1144

TIME AND DATE PROCESSED 21:00:40 JUN 11 1979

RUN 16 CONT.

NOZZLE TYPE	P&W BASE EJECTOR NOZZLE (MODEL C1
FLIGHT CONDITIONS	SUPER SONIC CRUISE (WS=.04 WT)
NOZZLE CONFIGURATION	C1
PRIMARY-NOZZLE PLUG	SPLIT PLUG (RETRACTED)
FLOW SPLITTER	ISENTROPIC SPLITTER
FAN NOZZLE	SHORT FLAP
CLAMSHELL POSITION	
EJECTOR INLET OPENING	

PDG	MO	PTF/PTP	PTF/PO	PTP/PO	OMEGA	PTS/PTF	CDF	CDP	CFI	ETA1	ETA1.INT	CFP1	CFP2	F9
1142	1.957	2.30	19.85	8.61	0.039	0.243	0.976	0.983	1.0072	0.9758	0.9791	1.0105	1.0111	1.5150
1143	1.957	2.33	19.97	9.08	0.037	0.243	0.972	0.983	1.0084	0.9788	0.9819	1.0115	1.0120	1.5097
1144	1.956	2.32	24.77	10.69	0.039	0.243	0.974	0.982	1.0134	0.9810	0.9835	1.0160	1.0164	1.5145

Run 16

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	12.323	3.6730	0.18619	0.43170	0.43200
37	6.5333	1.9472	0.098711	0.22886	0.53000
42	8.3024	2.4119	0.12227	0.28348	0.62900
52	8.1774	2.4432	0.12395	0.28716	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	9.3815	2.7961	0.14174	0.32864	0.42200
67	6.6082	1.9696	0.099844	0.23149	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	27.382	8.1611	0.41371	0.95920	0.50800
82	13.342	3.9766	0.20159	0.46738	0.58300
92	3.6187	1.0785	0.054674	0.12676	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	4.4387	1.3230	0.067065	0.15549	0.62400
112	4.1237	1.2291	0.062305	0.14446	0.83000
122	3.8237	1.1396	0.057772	0.13395	0.96000
127	3.5987	1.0726	0.054372	0.12606	1.0900
137	3.4086	1.0159	0.051501	0.11941	1.2200
142	3.2986	0.98315	0.049839	0.11555	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	4.4387	1.3230	0.067065	0.15549	-1.0000
-112	4.1237	1.2291	0.062305	0.14446	-1.0000
-122	3.8237	1.1396	0.057772	0.13395	-1.0000
-127	3.5987	1.0726	0.054372	0.12606	-1.0000
-137	3.4086	1.0159	0.051501	0.11941	-1.0000
-142	3.2986	0.98315	0.049839	0.11555	-1.0000
-152	3.5687	1.0636	0.053919	0.12501	-1.0000
-157	3.5737	1.0651	0.053994	0.12519	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.5687	1.0636	0.053919	0.12501	-1.0000
-157	3.5737	1.0651	0.053994	0.12519	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5687	1.0636	0.053919	0.12501	-1.0000
-172	3.5697	1.0621	0.053843	0.12484	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.1086	0.92653	0.046967	0.10889	-1.0000
-187	3.1336	0.93396	0.047345	0.10977	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.826	4.1499	0.18647	0.43128	0.43200
37	7.3720	2.1978	0.098756	0.22840	0.53000
47	9.0659	2.7212	0.12227	0.28280	0.62900
52	9.1858	2.7572	0.12388	0.28654	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.500	3.1515	0.14161	0.32753	0.42200
67	7.4070	2.2233	0.099909	0.23105	0.67900

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	30.708	9.2172	0.41417	0.95791	0.50800
82	14.936	4.4826	0.20142	0.46586	0.58300
92	3.5827	1.0754	0.048321	0.11176	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	4.9978	1.5001	0.067406	0.15590	0.62403
112	4.6328	1.3906	0.062484	0.14452	0.83000
122	4.2878	1.2870	0.057833	0.13375	0.96000
127	3.5627	1.0694	0.048051	0.11114	1.0900
137	3.8228	1.1474	0.051558	0.11925	1.2200
142	3.7027	1.1114	0.049940	0.11550	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	4.9978	1.5001	0.067406	0.15590	-1.0000
-112	4.6328	1.3906	0.062484	0.14452	-1.0000
-122	4.2878	1.2870	0.057830	0.13375	-1.0000
-127	3.5627	1.0694	0.048051	0.11114	-1.0000
-137	3.8228	1.1474	0.051558	0.11925	-1.0000
-142	3.7027	1.1114	0.049943	0.11550	-1.0000
-152	3.5327	1.0604	0.047646	0.11020	-1.0000
-157	3.5327	1.0604	0.047646	0.11020	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5327	1.0604	0.047646	0.11020	-1.0000
-157	3.5327	1.0604	0.047646	0.11020	-1.0000

>ADDITIONAL PRESSURE RATIOS , 70 DEG SWIRL LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5327	1.0604	0.047646	0.11020	-1.0000
-172	3.5327	1.0604	0.047646	0.11020	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SWIRL LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.0826	0.92526	0.041576	0.096159	-1.0000
-187	3.1176	0.93427	0.042198	0.097095	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

Row 16

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
42	15.426	4.6329	0.185514	0.43170	0.43200
37	8.1596	2.4506	0.097931	0.22835	0.53000
47	10.098	3.0297	0.12108	0.28231	0.67900
52	10.238	3.0747	0.122847	0.28650	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	11.721	3.5202	0.140688	0.32801	0.42200
67	8.2545	2.4791	0.099071	0.23100	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	34.128	10.250	0.40960	0.95506	0.50400
82	16.774	5.0378	0.20132	0.46942	0.58300
92	3.5961	1.0800	0.043161	0.10064	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	5.6309	1.6911	0.067582	0.15758	0.62400
112	5.2163	1.5665	0.062603	0.14597	0.83000
122	4.8361	1.4524	0.058043	0.13534	0.96000
127	3.5411	1.0755	0.042981	0.10022	1.0900
137	4.2661	1.2813	0.051202	0.11939	1.2200
142	4.1461	1.2452	0.049762	0.11603	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	5.6309	1.6911	0.067582	0.15758	-1.0000
-112	5.2163	1.5665	0.062603	0.14597	-1.0000
-122	4.8361	1.4524	0.058043	0.13536	-1.0000
-127	3.5411	1.0755	0.042981	0.10022	-1.0000
-137	4.2661	1.2813	0.051202	0.11939	-1.0000
-142	4.1461	1.2452	0.049762	0.11603	-1.0000
-152	3.5411	1.0635	0.042501	0.09909R	-1.0000
-157	3.5411	1.0635	0.042501	0.09909R	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.5411	1.0635	0.042501	0.09909R	-1.0000
-157	3.5411	1.0635	0.042501	0.09909R	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD INCIDENCE

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5361	1.0620	0.042460	0.09895R	-1.0000
-172	3.5411	1.0635	0.042501	0.09909R	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD INCIDENCE

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.3963	1.02044	0.037159	0.086642	-1.0000
-187	3.1461	0.94486	0.037759	0.088042	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Run 16

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	17.336	5.1296	0.18553	0.43168	0.43200
37	9.9997	2.7398	0.099012	0.22804	0.53000
47	11.168	3.3567	0.12141	0.28249	0.62900
52	11.308	3.4048	0.12315	0.28653	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	12.941	3.8966	0.14094	0.32792	0.42700
67	9.1147	2.7444	0.099264	0.23096	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	37.180	11.195	0.40491	0.94210	0.50800
82	18.494	5.5686	0.20141	0.46863	0.58300
92	3.5857	1.0796	0.039059	0.090858	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	6.2009	1.8671	0.067531	0.15712	0.62400
112	5.7559	1.7331	0.062686	0.14585	0.83000
122	5.3210	1.6021	0.057949	0.13483	0.96000
127	3.5857	1.0796	0.039059	0.090858	1.0900
137	4.7109	1.4185	0.051305	0.11937	1.2200
142	4.5759	1.3778	0.049835	0.11595	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	6.2009	1.8671	0.067531	0.15712	-1.0000
-112	5.7559	1.7331	0.062686	0.14585	-1.0000
-122	5.3210	1.6021	0.057949	0.13483	-1.0000
-127	3.5857	1.0796	0.039059	0.090858	-1.0000
-137	4.7109	1.4185	0.051305	0.11937	-1.0000
-142	4.5759	1.3778	0.049835	0.11595	-1.0000
-152	3.5357	1.0646	0.038506	0.089591	-1.0000
-157	3.5407	1.0661	0.038561	0.089718	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5357	1.0646	0.038506	0.089591	-1.0000
-157	3.5407	1.0661	0.038560	0.089718	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5407	1.0661	0.038560	0.089718	-1.0000
-172	3.5407	1.0631	0.038451	0.089464	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.0405	0.92151	0.033331	0.077553	-1.0000
-187	3.1255	0.94139	0.034039	0.079198	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
32	18.715	5.5908	0.61939	0.43206	0.43200
37	9.8830	2.9515	0.32669	0.22809	0.53000
47	12.229	3.6533	0.40474	0.28233	0.62500
52	12.404	3.7055	0.41053	0.28637	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
42	14.263	4.2609	0.47206	0.32928	0.42700
47	10.005	2.9888	0.33113	0.23098	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	39.831	11.899	1.3182	0.91954	0.50800
82	20.209	6.0370	0.66883	0.46654	0.58300
92	3.6129	1.0793	0.11957	0.083407	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	6.7648	2.0208	0.22389	0.15617	0.62400
112	6.2896	1.8789	0.20816	0.14520	0.83000
122	5.8194	1.7384	0.19260	0.13435	0.96000
127	3.6179	1.0808	0.11974	0.083522	1.0900
137	5.1691	1.5442	0.17107	0.11933	1.2200
142	5.0193	1.4993	0.16611	0.11587	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-107	6.7648	2.0208	0.22389	0.15617	-1.0000
-112	6.2896	1.8789	0.20816	0.14520	-1.0000
-122	5.8194	1.7384	0.19260	0.13435	-1.0000
-127	3.6179	1.0808	0.11974	0.083522	-1.0000
-137	5.1691	1.5442	0.17107	0.11933	-1.0000
-142	5.0193	1.4993	0.16611	0.11587	-1.0000
-152	3.5628	1.0643	0.11791	0.082251	-1.0000
-157	3.5628	1.0643	0.11791	0.082251	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXAP

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-152	3.5628	1.0643	0.11791	0.082251	-1.0000
-157	3.5628	1.0643	0.11791	0.082251	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SUCTION LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-162	3.5578	1.0628	0.11775	0.082136	-1.0000
-172	3.5628	1.0643	0.11791	0.082251	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SUCTION LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-182	3.1124	0.92976	0.10301	0.071853	-1.0000
-187	3.1174	0.93126	0.10317	0.071968	-1.0000

>CONTROLS , MEASURED THRUST PARAMETERS

Run 16

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	18.244	5.4332	0.18643	0.43126	0.43200
37	9.6317	2.8684	0.098428	0.22768	0.53000
47	11.920	3.5510	0.12181	0.28178	0.62900
52	12.080	3.5976	0.12345	0.28556	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.878	4.1332	0.14183	0.32807	0.42200
67	9.7566	2.9056	0.099705	0.23064	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	38.904	11.586	0.39757	0.91965	0.50800
82	19.737	5.8778	0.20169	0.46656	0.58300
87	3.6120	1.0757	0.036912	0.085384	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	6.6076	1.9678	0.067525	0.15620	0.62400
112	6.1426	1.8294	0.062773	0.14521	0.83000
122	5.6926	1.6953	0.058174	0.13457	0.96000
127	3.6220	1.0787	0.037014	0.085620	1.0900
137	5.0525	1.5047	0.051633	0.11944	1.2200
142	4.8975	1.4585	0.050048	0.11577	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	6.6076	1.9678	0.067525	0.15620	-1.0000
-112	6.1426	1.8294	0.062773	0.14521	-1.0000
-122	5.6926	1.6953	0.058174	0.13457	-1.0000
-127	3.6220	1.0787	0.037014	0.085620	-1.0000
-137	5.0525	1.5047	0.051633	0.11944	-1.0000
-142	4.8975	1.4585	0.050048	0.11577	-1.0000
-152	3.5670	1.0623	0.036452	0.084320	-1.0000
-157	3.5670	1.0623	0.036452	0.084320	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5670	1.0623	0.036452	0.084320	-1.0000
-157	3.5670	1.0623	0.036452	0.084320	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5620	1.0608	0.036400	0.084201	-1.0000
-172	3.5620	1.0608	0.036400	0.084201	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.1167	0.92819	0.031850	0.073676	-1.0000
-187	3.1417	0.93564	0.032106	0.074267	-1.0000

SECTION 5 , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	18.360	5.4350	0.18604	0.43169	0.43200
37	9.5356	2.8696	0.098223	0.22792	0.53000
47	11.807	3.5532	0.12162	0.28222	0.62930
52	11.967	3.6012	0.12327	0.28604	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.744	4.1360	0.14157	0.32851	0.42200
67	9.6602	2.9071	0.099509	0.23091	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	38.563	11.605	0.39723	0.92176	0.50800
82	19.572	5.8930	0.20161	0.46783	0.58300
92	3.5856	1.0790	0.036935	0.085706	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	6.5588	1.9738	0.067561	0.15677	0.62400
112	4.0942	1.2340	0.042275	0.14567	0.83000
122	5.6445	1.6986	0.058143	0.13492	0.96000
127	3.5906	1.0805	0.036986	0.085825	1.0900
137	5.0000	1.5047	0.051504	0.11951	1.2230
142	4.8600	1.4626	0.050063	0.11617	1.3500

>ADDITIONAL PRESSURE RATIOS , FORERGV INLET

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	6.5588	1.9738	0.067561	0.15677	-1.0000
-112	4.0942	1.2340	0.042275	0.14567	-1.0000
-122	5.6445	1.6986	0.058143	0.13492	-1.0000
-127	3.5906	1.0805	0.036986	0.085825	-1.0000
-137	5.0000	1.5047	0.051504	0.11951	-1.0000
-142	4.8600	1.4626	0.050063	0.11617	-1.0000
-152	3.5306	1.0625	0.036369	0.084392	-1.0000
-157	3.5356	1.0640	0.036420	0.084511	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5306	1.0625	0.036369	0.084392	-1.0000
-157	3.5356	1.0640	0.036420	0.084511	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5356	1.0640	0.036420	0.084511	-1.0000
-172	3.5356	1.0640	0.036420	0.084511	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.0658	0.92260	0.031580	0.073280	-1.0000
-187	3.1157	0.93764	0.032095	0.074476	-1.0000

>SUBTOTALS , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	17.105	5.1444	0.18577	0.43125	0.43200
37	9.0439	2.7199	0.098218	0.22801	0.53000
47	11.232	3.3691	0.12166	0.28242	0.62500
52	11.357	3.4156	0.12334	0.28633	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	13.005	3.9114	0.14124	0.32788	0.42200
67	9.1637	2.7560	0.099521	0.23103	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	36.669	11.028	0.39824	0.92448	0.50800
82	18.563	5.5829	0.20160	0.46801	0.58300
92	3.5797	1.0766	0.038877	0.090250	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	6.2349	1.8752	0.067713	0.15719	0.62400
112	5.7930	1.7413	0.062881	0.14597	0.83000
122	5.3530	1.6090	0.058103	0.13486	0.96000
127	3.5797	1.0766	0.038877	0.090250	1.0600
137	4.7530	1.4286	0.051586	0.11975	1.2200
142	4.6300	1.3925	0.050283	0.11673	1.3500

>ADDITIONAL PRESSURE RATIOS , ~~JOFAROW INLET~~

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	6.2349	1.8752	0.067713	0.15719	-1.0000
-112	5.7930	1.7413	0.062881	0.14597	-1.0000
-122	5.3530	1.6090	0.058103	0.13488	-1.0000
-127	3.5797	1.0766	0.038877	0.090250	-1.0000
-137	4.7530	1.4286	0.051586	0.11975	-1.0000
-142	4.6300	1.3925	0.050283	0.11673	-1.0000
-152	3.5297	1.0616	0.038334	0.088989	-1.0000
-157	3.5347	1.0631	0.038388	0.089115	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.5297	1.0616	0.038334	0.088989	-1.0000
-157	3.5347	1.0631	0.038388	0.089115	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5347	1.0631	0.038388	0.089115	-1.0000
-172	3.5347	1.0631	0.038388	0.089115	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.0895	0.92918	0.033563	0.077891	-1.0000
-187	3.0795	0.92617	0.033445	0.077639	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

RUN 12

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
32	15.374	4.6295	0.18569	0.43195	0.43200
37	8.1344	2.4494	0.098246	0.22854	0.53000
47	10.062	3.0299	0.12153	0.28270	0.62900
52	10.192	3.0690	0.12310	0.28635	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
62	11.665	3.5126	0.14089	0.32774	0.42200
67	8.2293	2.4780	0.099393	0.23121	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
77	33.147	9.9811	0.40034	0.93128	0.50800
82	16.682	5.0232	0.20148	0.46869	0.58300
92	3.5749	1.0771	0.043207	0.10050	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
107	5.6063	1.6881	0.067712	0.15751	0.62400
112	5.1915	1.5632	0.062702	0.14586	0.83000
122	4.7916	1.4428	0.057873	0.13462	0.96000
127	3.5719	1.0756	0.043142	0.10036	1.0900
137	4.2418	1.2773	0.051232	0.11918	1.2200
142	4.1314	1.2442	0.049904	0.11609	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
-107	5.6063	1.6881	0.067712	0.15751	-1.0000
-112	5.1915	1.5632	0.062702	0.14586	-1.0000
-122	4.7916	1.4428	0.057873	0.13462	-1.0000
-127	3.5719	1.0756	0.043142	0.10036	-1.0000
-137	4.2418	1.2773	0.051232	0.11918	-1.0000
-142	4.1314	1.2442	0.049904	0.11609	-1.0000
-152	3.5319	1.0635	0.042658	0.099232	-1.0000
-157	3.5319	1.0635	0.042658	0.099232	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
-152	3.5319	1.0635	0.042658	0.099232	-1.0000
-157	3.5319	1.0635	0.042658	0.099232	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
-167	3.5319	1.0635	0.042658	0.099232	-1.0000
-172	3.5369	1.0650	0.042719	0.099372	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
-182	3.0570	0.92051	0.036922	0.085887	-1.0000
-187	3.1129	0.93737	0.037596	0.087432	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.826	4.1499	0.18647	0.43128	0.43200
37	7.3720	2.1978	0.098756	0.22840	0.53000
47	9.0659	2.7212	0.12227	0.28280	0.62900
52	9.1858	2.7572	0.12388	0.28654	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.500	3.1515	0.14161	0.32753	0.42200
67	7.4070	2.2233	0.099909	0.23105	0.67900

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	30.708	9.2172	0.41417	0.95791	0.50800
82	14.936	4.4826	0.20142	0.46586	0.58300
92	3.5827	1.0754	0.048321	0.11176	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	4.9978	1.5001	0.067406	0.15590	0.62403
112	4.6328	1.3906	0.062484	0.14452	0.83000
122	4.2878	1.2870	0.057833	0.13375	0.96000
127	3.5627	1.0694	0.048051	0.11114	1.0900
137	3.8228	1.1474	0.051558	0.11925	1.2200
142	3.7027	1.1114	0.049940	0.11550	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	4.9978	1.5001	0.067406	0.15590	-1.0000
-112	4.6328	1.3906	0.062484	0.14452	-1.0000
-122	4.2878	1.2870	0.057830	0.13375	-1.0000
-127	3.5627	1.0694	0.048051	0.11114	-1.0000
-137	3.8228	1.1474	0.051558	0.11925	-1.0000
-142	3.7027	1.1114	0.049943	0.11550	-1.0000
-152	3.5327	1.0604	0.047646	0.11020	-1.0000
-157	3.5327	1.0604	0.047646	0.11020	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5327	1.0604	0.047646	0.11020	-1.0000
-157	3.5327	1.0604	0.047646	0.11020	-1.0000

>ADDITIONAL PRESSURE RATIOS , 70 DEG SWIRL LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5327	1.0604	0.047646	0.11020	-1.0000
-172	3.5327	1.0604	0.047646	0.11020	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SWIRL LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.0826	0.92526	0.041576	0.096159	-1.0000
-187	3.1176	0.93427	0.042198	0.097095	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

Row 16

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
42	15.426	4.6329	0.185514	0.43170	0.43200
37	8.1596	2.4506	0.097931	0.22835	0.53000
47	10.098	3.0297	0.12108	0.28231	0.67900
52	10.238	3.0747	0.122847	0.28650	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	11.721	3.5202	0.140688	0.32801	0.42200
67	8.2545	2.4791	0.099071	0.23100	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	34.128	10.250	0.40960	0.95506	0.50400
82	16.774	5.0378	0.20132	0.46942	0.58300
92	3.5961	1.0800	0.043161	0.10064	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	5.6309	1.6911	0.067582	0.15758	0.62400
112	5.2163	1.5665	0.062603	0.14597	0.83000
122	4.8361	1.4524	0.058043	0.13534	0.96000
127	3.5411	1.0755	0.042981	0.10022	1.0900
137	4.2661	1.2813	0.051202	0.11939	1.2200
142	4.1461	1.2452	0.049762	0.11603	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	5.6309	1.6911	0.067582	0.15758	-1.0000
-112	5.2163	1.5665	0.062603	0.14597	-1.0000
-122	4.8361	1.4524	0.058043	0.13536	-1.0000
-127	3.5411	1.0755	0.042981	0.10022	-1.0000
-137	4.2661	1.2813	0.051202	0.11939	-1.0000
-142	4.1461	1.2452	0.049762	0.11603	-1.0000
-152	3.5411	1.0635	0.042501	0.09909R	-1.0000
-157	3.5411	1.0635	0.042501	0.09909R	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.5411	1.0635	0.042501	0.09909R	-1.0000
-157	3.5411	1.0635	0.042501	0.09909R	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD INCIDENCE

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5361	1.0620	0.042460	0.09895R	-1.0000
-172	3.5411	1.0635	0.042501	0.09909R	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD INCIDENCE

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.3963	1.02044	0.037159	0.086642	-1.0000
-187	3.1461	0.94486	0.037759	0.088042	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
32	18.715	5.5908	0.61939	0.43206	0.43200
37	9.8830	2.9515	0.32669	0.22809	0.53000
47	12.229	3.6533	0.40474	0.28233	0.62500
52	12.404	3.7055	0.41053	0.28637	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
42	14.263	4.2609	0.47206	0.32928	0.42700
47	10.005	2.9888	0.33113	0.23098	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	39.831	11.899	1.3182	0.91954	0.50800
82	20.209	6.0370	0.66883	0.46654	0.58300
92	3.6129	1.0793	0.11957	0.083407	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	6.7648	2.0208	0.22389	0.15617	0.62400
112	6.2896	1.8789	0.20816	0.14520	0.83000
122	5.8194	1.7384	0.19260	0.13435	0.96000
127	3.6179	1.0808	0.11974	0.083522	1.0900
137	5.1691	1.5442	0.17107	0.11933	1.2200
142	5.0193	1.4993	0.16611	0.11587	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-107	6.7648	2.0208	0.22389	0.15617	-1.0000
-112	6.2896	1.8789	0.20816	0.14520	-1.0000
-122	5.8194	1.7384	0.19260	0.13435	-1.0000
-127	3.6179	1.0808	0.11974	0.083522	-1.0000
-137	5.1691	1.5442	0.17107	0.11933	-1.0000
-142	5.0193	1.4993	0.16611	0.11587	-1.0000
-152	3.5628	1.0643	0.11791	0.082251	-1.0000
-157	3.5628	1.0643	0.11791	0.082251	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXAP

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-152	3.5628	1.0643	0.11791	0.082251	-1.0000
-157	3.5628	1.0643	0.11791	0.082251	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SUCTION LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-162	3.5578	1.0628	0.11775	0.082136	-1.0000
-172	3.5628	1.0643	0.11791	0.082251	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SUCTION LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-182	3.1124	0.92976	0.10301	0.071853	-1.0000
-187	3.1174	0.93126	0.10317	0.071968	-1.0000

>CONTROLS , MEASURED THRUST PARAMETERS

Run 16

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	18.244	5.4332	0.18643	0.43126	0.43200
37	9.6317	2.8684	0.098428	0.22768	0.53000
47	11.920	3.5510	0.12181	0.28178	0.62900
52	12.080	3.5976	0.12345	0.28556	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.878	4.1332	0.14183	0.32807	0.42200
67	9.7566	2.9056	0.099705	0.23064	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	38.904	11.586	0.39757	0.91965	0.50800
82	19.737	5.8778	0.20169	0.46656	0.58300
87	3.6120	1.0757	0.036912	0.085384	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	6.6076	1.9678	0.067525	0.15620	0.62400
112	6.1426	1.8294	0.062773	0.14521	0.83000
122	5.6926	1.6953	0.058174	0.13457	0.96000
127	3.6220	1.0787	0.037014	0.085620	1.0900
137	5.0525	1.5047	0.051633	0.11944	1.2200
142	4.8975	1.4585	0.050048	0.11577	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	6.6076	1.9678	0.067525	0.15620	-1.0000
-112	6.1426	1.8294	0.062773	0.14521	-1.0000
-122	5.6926	1.6953	0.058174	0.13457	-1.0000
-127	3.6220	1.0787	0.037014	0.085620	-1.0000
-137	5.0525	1.5047	0.051633	0.11944	-1.0000
-142	4.8975	1.4585	0.050048	0.11577	-1.0000
-152	3.5670	1.0623	0.036452	0.084320	-1.0000
-157	3.5670	1.0623	0.036452	0.084320	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5670	1.0623	0.036452	0.084320	-1.0000
-157	3.5670	1.0623	0.036452	0.084320	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5620	1.0608	0.036400	0.084201	-1.0000
-172	3.5620	1.0608	0.036400	0.084201	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.1167	0.92819	0.031850	0.073676	-1.0000
-187	3.1417	0.93564	0.032106	0.074267	-1.0000

SECTION 5 , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	18.360	5.4350	0.18604	0.43169	0.43200
37	9.5356	2.8696	0.098223	0.22792	0.53000
47	11.807	3.5532	0.12162	0.28222	0.62930
52	11.967	3.6012	0.12327	0.28604	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.744	4.1360	0.14157	0.32851	0.42200
67	9.6602	2.9071	0.099509	0.23091	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	38.563	11.605	0.39723	0.92176	0.50800
82	19.572	5.8930	0.20161	0.46783	0.58300
92	3.5856	1.0790	0.036935	0.085706	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	6.5588	1.9738	0.067561	0.15677	0.62400
112	4.0942	1.2340	0.042275	0.14567	0.83000
122	5.6445	1.6986	0.058143	0.13492	0.96000
127	3.5906	1.0805	0.036986	0.085825	1.0900
137	5.0000	1.5047	0.051504	0.11951	1.2230
142	4.8600	1.4626	0.050063	0.11617	1.3500

>ADDITIONAL PRESSURE RATIOS , FORERGV INLET

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	6.5588	1.9738	0.067561	0.15677	-1.0000
-112	4.0942	1.2340	0.042275	0.14567	-1.0000
-122	5.6445	1.6986	0.058143	0.13492	-1.0000
-127	3.5906	1.0805	0.036986	0.085825	-1.0000
-137	5.0000	1.5047	0.051504	0.11951	-1.0000
-142	4.8600	1.4626	0.050063	0.11617	-1.0000
-152	3.5306	1.0625	0.036369	0.084392	-1.0000
-157	3.5356	1.0640	0.036420	0.084511	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5306	1.0625	0.036369	0.084392	-1.0000
-157	3.5356	1.0640	0.036420	0.084511	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5356	1.0640	0.036420	0.084511	-1.0000
-172	3.5356	1.0640	0.036420	0.084511	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD NODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.0658	0.92260	0.031580	0.073280	-1.0000
-187	3.1157	0.93764	0.032095	0.074476	-1.0000

>SUBTOTALS , MEASURED THRUST PARAMETERS

RUN 12

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
32	15.374	4.6295	0.18569	0.43195	0.43200
37	8.1344	2.4494	0.098246	0.22854	0.53000
47	10.062	3.0299	0.12153	0.28270	0.62900
52	10.192	3.0690	0.12310	0.28635	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
62	11.665	3.5126	0.14089	0.32774	0.42200
67	8.2293	2.4780	0.099393	0.23121	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
77	33.147	9.9811	0.40034	0.93128	0.50800
82	16.682	5.0232	0.20148	0.46869	0.58300
92	3.5749	1.0771	0.043207	0.10050	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
107	5.6063	1.6881	0.067712	0.15751	0.62400
112	5.1915	1.5632	0.062702	0.14586	0.83000
122	4.7916	1.4428	0.057873	0.13462	0.96000
127	3.5719	1.0756	0.043142	0.10036	1.0900
137	4.2418	1.2773	0.051232	0.11918	1.2200
142	4.1314	1.2442	0.049904	0.11609	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
-107	5.6063	1.6881	0.067712	0.15751	-1.0000
-112	5.1915	1.5632	0.062702	0.14586	-1.0000
-122	4.7916	1.4428	0.057873	0.13462	-1.0000
-127	3.5719	1.0756	0.043142	0.10036	-1.0000
-137	4.2418	1.2773	0.051232	0.11918	-1.0000
-142	4.1314	1.2442	0.049904	0.11609	-1.0000
-152	3.5319	1.0635	0.042658	0.099232	-1.0000
-157	3.5319	1.0635	0.042658	0.099232	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
-152	3.5319	1.0635	0.042658	0.099232	-1.0000
-157	3.5319	1.0635	0.042658	0.099232	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
-167	3.5319	1.0635	0.042658	0.099232	-1.0000
-172	3.5369	1.0650	0.042719	0.099372	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
-182	3.0570	0.92051	0.036922	0.085887	-1.0000
-187	3.1129	0.93737	0.037596	0.087432	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

Run 16

VASS-ETAIS PRELIMINARY DATA 06/11/79 CADDETT REC 10/13/79 21:43:50.514 FAC RX6X1 PGM C034 RDG 1113

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
32	13.739	4.1429	0.18684	0.43150	0.43200
37	7.2766	2.1941	0.098935	0.22853	0.53000
47	9.0015	2.7143	0.12241	0.28271	0.62400
52	9.1315	2.7536	0.12418	0.28679	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
62	10.441	3.1483	0.14199	0.32792	0.42200
67	7.3816	2.2258	0.10038	0.23183	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	29.597	8.9244	0.40749	0.92953	0.50800
82	14.833	4.4728	0.20172	0.46587	0.58300
92	3.5750	1.0780	0.048617	0.11228	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	4.9559	1.4944	0.067396	0.15565	0.62400
112	4.6107	1.3903	0.062702	0.14481	0.83000
122	4.2555	1.2832	0.057871	0.13365	0.96000
127	3.5550	1.0720	0.048345	0.11165	1.0900
137	3.7952	1.1444	0.051611	0.11919	1.2200
142	3.6851	1.1112	0.050114	0.11574	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-107	4.9559	1.4944	0.067396	0.15565	-1.0000
-112	4.6107	1.3903	0.062702	0.14481	-1.0000
-122	4.2555	1.2832	0.057871	0.13365	-1.0000
-127	3.5550	1.0720	0.048345	0.11165	-1.0000
-137	3.7952	1.1444	0.051611	0.11919	-1.0000
-142	3.6851	1.1112	0.050114	0.11574	-1.0000
-152	3.5250	1.0629	0.047937	0.11071	-1.0000
-157	3.5300	1.0644	0.048005	0.11087	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-152	3.5250	1.0629	0.047937	0.11071	-1.0000
-157	3.5300	1.0644	0.048005	0.11087	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD IRRATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-167	3.5250	1.0629	0.047937	0.11071	-1.0000
-172	3.5250	1.0629	0.047937	0.11071	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD IRRATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-182	3.0446	0.91805	0.041404	0.095620	-1.0000
-187	3.0546	0.92107	0.041540	0.095935	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

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Run 16

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
32	13.217	3.6645	0.19739	0.43137	0.42200
37	8.4757	1.9432	0.099367	0.22874	0.53000
47	8.0113	2.4936	0.12291	0.28295	0.62900
52	8.1201	2.4366	0.12460	0.28683	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
42	9.2944	2.7960	0.14747	0.32756	0.42200
47	6.5436	1.9627	0.10036	0.23104	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	26.254	7.8781	0.40286	0.92738	0.50800
82	13.141	3.9432	0.23164	0.46418	0.58300
92	3.5855	1.0759	0.055019	0.12665	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	4.3707	1.3113	0.067067	0.15439	0.62400
112	4.0757	1.2230	0.062540	0.14397	0.83000
122	3.7606	1.1284	0.057705	0.13284	0.96000
127	3.5705	1.0714	0.054789	0.12612	1.0900
137	3.3754	1.0129	0.051795	0.11923	1.2200
142	3.2454	0.97385	0.050107	0.11535	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-107	4.3707	1.3115	0.067067	0.15439	-1.0000
-112	4.0757	1.2230	0.062540	0.14397	-1.0000
-122	3.7606	1.1284	0.057705	0.13284	-1.0000
-127	3.5705	1.0714	0.054789	0.12612	-1.0000
-137	3.3754	1.0129	0.051795	0.11923	-1.0000
-142	3.2454	1.07385	0.050107	0.11535	-1.0000
-152	3.5355	1.0609	0.054251	0.12489	-1.0000
-157	3.5405	1.0624	0.054328	0.12506	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-152	3.5355	1.0609	0.054251	0.12489	-1.0000
-157	3.5405	1.0624	0.054328	0.12506	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-157	3.5405	1.0624	0.054328	0.12506	-1.0000
-177	3.5405	1.0624	0.054328	0.12506	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-187	3.0553	0.91681	0.046882	0.10792	-1.0000
-197	3.0953	0.92582	0.047343	0.10898	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
42	13.459	4.2858	0.21615	0.43160	0.43200
57	7.2393	2.2698	0.11449	0.22856	0.53000
67	8.9649	2.8108	0.14178	0.28306	0.62900
82	9.0849	2.8484	0.14368	0.28695	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.390	3.2576	0.16432	0.32806	0.42200
67	7.3294	2.2980	0.11592	0.23142	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	25.533	8.0056	0.40382	0.80620	0.50800
82	12.780	4.0069	0.20212	0.40351	0.58300
92	3.4114	1.0696	0.053952	0.10771	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	4.2372	1.3285	0.067014	0.13379	0.62400
112	3.9670	1.2438	0.062739	0.12526	0.83000
122	3.6416	1.1418	0.057594	0.11498	0.96000
127	3.4063	1.0680	0.053873	0.10756	1.09
137	3.6967	1.1559	0.058306	0.11641	1.2200
142	3.5265	1.1057	0.055773	0.11135	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	4.2372	1.3285	0.067014	0.13379	-1.0000
-112	3.9670	1.2438	0.062739	0.12526	-1.0000
-122	3.6416	1.1418	0.057594	0.11498	-1.0000
-127	3.4063	1.0680	0.053873	0.10756	-1.0000
-137	3.6967	1.1559	0.058306	0.11641	-1.0000
-142	3.5266	1.1057	0.055773	0.11135	-1.0000
-152	3.3963	1.0649	0.053715	0.10724	-1.0000
-157	3.3963	1.0649	0.053715	0.10724	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAR NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.3963	1.0649	0.053715	0.10724	-1.0000
-157	3.3963	1.0649	0.053715	0.10724	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.3963	1.0649	0.053715	0.10724	-1.0000
-172	3.3963	1.0649	0.053715	0.10724	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.9357	0.92792	0.046797	0.091432	-1.0000
-187	2.9638	0.92833	0.046827	0.091487	-1.0000

>SPECIALS , MEASURED THRUST PARAMETERS

NASA-LEWIS PRELIMINARY DATA 06/11/79 CADDFII REC 10/13/79 21:58:39.529 FAC 9X6X1 PGM C034 RUN 12 RNG 1116

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	11.902	3.7079	0.18690	0.43101	0.43200
37	6.3172	1.9[illegible]	0.099129	0.22860	0.53000
42	7.8126	2.4329	0.12263	0.28280	0.62900
52	7.9177	2.4687	0.12444	0.28697	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	9.0377	2.8180	0.14204	0.32756	0.42200
67	6.3773	1.9886	0.10023	0.23114	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	25.618	7.9876	0.40262	0.92846	0.50800
82	12.922	3.9978	0.20151	0.46471	0.58300
87	3.4253	1.0680	0.053834	0.12415	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	4.2610	1.3286	0.066969	0.15444	0.62400
112	3.9358	1.2428	0.062644	0.14446	0.83000
122	3.6605	1.1413	0.057531	0.13267	0.96000
127	3.4153	1.0649	0.053677	0.12378	1.0900
137	3.2852	1.0243	0.051632	0.11907	1.2200
142	3.1901	0.99154	0.049980	0.11526	1.3500

>ADDITIONAL PRESSURE RATIOS , FREEFORM INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	4.2610	1.3286	0.066969	0.15444	-1.0000
-112	3.9358	1.2428	0.062644	0.14446	-1.0000
-122	3.6605	1.1413	0.057531	0.13267	-1.0000
-127	3.4153	1.0649	0.053677	0.12378	-1.0000
-137	3.2852	1.0243	0.051632	0.11907	-1.0000
-142	3.1901	0.99154	0.049980	0.11526	-1.0000
-152	3.4053	1.0618	0.053523	0.12342	-1.0000
-157	3.4103	1.0633	0.053598	0.12360	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.4053	1.0618	0.053523	0.12342	-1.0000
-157	3.4103	1.0633	0.053598	0.12360	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD EXPANSION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-162	3.4710	1.0832	0.054641	0.12324	-1.0000
-172	3.4053	1.0618	0.053523	0.12342	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD EXPANSION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	2.9249	0.91195	0.045969	0.10601	-1.0000
-187	2.9349	0.93069	0.046912	0.10818	-1.0000

>ADDITIONAL , MEASURED THRUST PARAMETERS

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ORIGINAL PAGE IS OF POOR QUALITY

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	10.546	3.2878	0.16618	0.43109	0.43200
37	5.6048	1.7473	0.088315	0.22910	0.53000
47	6.9255	2.1591	0.10913	0.28308	0.62900
52	7.0336	2.1918	0.11078	0.28738	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	8.0439	2.5068	0.12670	0.32868	0.42200
67	5.6798	1.7707	0.089498	0.23217	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	25.534	7.9602	0.40233	1.0437	0.50800
82	12.801	3.9907	0.20170	0.52323	0.58300
87	3.4279	1.0687	0.054013	0.14012	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR ,UPPER

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	4.2537	1.3261	0.067026	0.17387	0.62400
112	3.9694	1.2372	0.062531	0.16221	0.83000
122	3.6581	1.1404	0.057641	0.14953	0.96000
127	3.4178	1.0655	0.053855	0.13971	1.0900
137	2.8972	0.90323	0.045652	0.11843	1.2200
142	2.9323	0.91104	0.046046	0.11945	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR ,LOWER

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	4.2537	1.3261	0.067026	0.17387	-1.0000
-112	3.9694	1.2372	0.062531	0.16221	-1.0000
-122	3.6581	1.1404	0.057641	0.14953	-1.0000
-127	3.4178	1.0655	0.053855	0.13971	-1.0000
-137	2.8972	0.90323	0.045652	0.11843	-1.0000
-142	2.9323	0.91104	0.046046	0.11945	-1.0000
-152	3.4178	1.0640	0.053776	0.13950	-1.0000
-157	3.4178	1.0624	0.053698	0.13930	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4128	1.0640	0.053776	0.13950	-1.0000
-157	3.4178	1.0624	0.053698	0.13930	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-157	3.4178	1.0624	0.053698	0.13930	-1.0000
-172	3.4128	1.0640	0.053776	0.13950	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.9323	0.91416	0.046204	0.11986	-1.0000
-187	2.9274	0.93445	0.047230	0.12252	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

Run 16

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	15.333	4.7769	0.21480	0.43167	0.43200
37	8.1155	2.5333	0.11391	0.22892	0.53000
47	10.334	3.1322	0.14084	0.29304	0.62900
52	13.164	3.1727	0.14266	0.28671	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	11.623	3.6280	0.16314	0.32785	0.42200
67	8.1954	2.5582	0.11503	0.23118	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	28.955	9.0384	0.40641	0.81676	0.50900
82	14.386	4.4901	0.20190	0.40576	0.58300
92	3.4313	1.0711	0.04[illegible]01	0.096789	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	4.7965	1.4972	0.067323	0.13530	0.62400
112	4.4765	1.3973	0.062832	0.12627	0.83000
122	4.1114	1.2834	0.057708	0.11597	0.96000
127	3.4263	1.0695	0.048091	0.096648	1.0900
137	4.1464	1.2943	0.058199	0.11696	1.2200
142	3.9614	1.2366	0.055602	0.11174	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	4.7965	1.4972	0.067323	0.13530	-1.0000
-112	4.4765	1.3973	0.062832	0.12627	-1.0000
-122	4.1114	1.2834	0.057708	0.11597	-1.0000
-127	3.4263	1.0695	0.048091	0.096648	-1.0000
-137	4.1464	1.2943	0.058199	0.11696	-1.0000
-142	3.9614	1.2366	0.055602	0.11174	-1.0000
-152	3.4113	1.0648	0.047881	0.096225	-1.0000
-157	3.4113	1.0648	0.047881	0.096225	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4113	1.0648	0.047881	0.096225	-1.0000
-157	3.4113	1.0648	0.047881	0.096225	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4163	1.0664	0.047951	0.096366	-1.0000
-172	3.4113	1.0648	0.047881	0.096225	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
[illegible]	2.9361	0.93714	0.040793	0.081975	-1.0000
[illegible]	2.9711	0.93744	0.041703	0.083809	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Run 16

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
42	13.351	4.1920	0.19837	0.43209	0.43200
37	7.1744	2.2513	0.065755	0.32790	0.53000
47	8.7530	2.7502	0.12227	0.28216	0.62900
52	8.8739	2.7863	0.12587	0.28587	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	10.163	3.1911	0.14187	0.32740	0.42200
57	7.1644	2.2495	0.10001	0.23080	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.O.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	29.104	9.1384	0.40628	0.93757	0.50800
82	14.450	4.5370	0.20171	0.46549	0.58300
92	3.4037	1.0687	0.047513	0.10965	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	4.8193	1.5132	0.067274	0.15525	0.62400
112	4.4992	1.4127	0.062806	0.14494	0.83000
122	4.1341	1.2980	0.057709	0.13318	0.96000
127	3.3997	1.0671	0.047444	0.10949	1.0900
132	3.6999	1.1614	0.051634	0.11916	1.2200
142	3.5998	1.1298	0.050097	0.11561	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	4.8193	1.5132	0.067274	0.15525	-1.0000
-112	4.4992	1.4127	0.062806	0.14494	-1.0000
-122	4.1341	1.2980	0.057709	0.13318	-1.0000
-127	3.3997	1.0671	0.047444	0.10949	-1.0000
-132	3.6999	1.1614	0.051634	0.11916	-1.0000
-142	3.5998	1.1298	0.050097	0.11561	-1.0000
-152	3.3837	1.0624	0.047234	0.10900	-1.0000
-157	3.3787	1.0609	0.047164	0.10884	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.3837	1.0624	0.047234	0.10900	-1.0000
-157	3.3787	1.0609	0.047164	0.10884	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-147	3.3837	1.0624	0.047234	0.10900	-1.0000
-152	3.3787	1.0609	0.047164	0.10884	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-187	2.8386	0.91006	0.040460	0.093369	-1.0000
-192	2.8536	0.92891	0.041298	0.095303	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
47	13.351	4.1920	0.19837	0.43309	0.43200
77	7.3744	2.2219	0.058755	0.22790	0.53300
47	8.7630	2.7502	0.12227	0.28216	0.62900
52	8.8729	2.7863	0.12387	0.28587	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.163	3.1911	0.14187	0.32740	0.42200
67	7.1644	2.2495	0.10001	0.23080	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	29.104	9.1384	0.40628	0.93757	0.50800
82	14.450	4.5370	0.20171	0.46549	0.58300
92	3.4037	1.0687	0.047513	0.10965	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	4.8193	1.5132	0.067274	0.15525	0.62400
112	4.4992	1.4127	0.062806	0.14494	0.83000
122	4.1341	1.2980	0.057709	0.13318	0.96000
127	3.3987	1.0671	0.047444	0.10949	1.0900
132	3.6989	1.1614	0.051634	0.11916	1.2200
142	3.5888	1.1268	0.050097	0.11561	1.3500

>ADDITIONAL PRESSURE RATIOS , FORCERY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	4.8193	1.5132	0.067274	0.15525	-1.0000
-112	4.4992	1.4127	0.062806	0.14494	-1.0000
-122	4.1341	1.2980	0.057709	0.13318	-1.0000
-127	3.3987	1.0671	0.047444	0.10949	-1.0000
-132	3.6989	1.1614	0.051634	0.11916	-1.0000
-142	3.5888	1.1268	0.050097	0.11561	-1.0000
-152	3.3837	1.0624	0.047234	0.10900	-1.0000
-157	3.3787	1.0609	0.047164	0.10884	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE REAR

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.3837	1.0624	0.047234	0.10900	-1.0000
-157	3.3787	1.0609	0.047164	0.10884	-1.0000

>ADDITIONAL PRESSURE RATIOS , 50 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-157	3.3837	1.0624	0.047234	0.10900	-1.0000
-172	3.3787	1.0609	0.047164	0.10884	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-187	2.8386	0.91006	0.040460	0.093369	-1.0000
-192	2.8534	0.92881	0.041228	0.095133	-1.0000

>STATION 2 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	11.754	3.6979	0.16591	0.43066	0.43200
37	6.2410	1.9631	0.088057	0.22867	0.53000
42	7.7237	2.4295	0.10899	0.28289	0.62900
52	7.8307	2.4631	0.11054	0.28692	0.72703

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	8.9533	2.8153	0.12634	0.32794	0.42200
67	6.3163	1.9867	0.089156	0.23142	0.67003

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	28.775	9.0512	0.40619	1.0545	0.50800
82	14.331	4.4984	0.20187	0.52400	0.58300
92	3.3952	1.0680	0.047927	0.12440	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	4.7758	1.5022	0.067415	0.17499	0.62400
112	4.4507	1.4000	0.062826	0.16308	0.83000
122	4.0856	1.2851	0.057672	0.14970	0.96000
127	3.3952	1.0680	0.047927	0.12440	1.0900
137	3.2301	1.0160	0.045597	0.11835	1.2200
142	3.2602	1.0255	0.046020	0.11945	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD EXIT

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	4.7758	1.5022	0.067415	0.17499	-1.0000
-112	4.4507	1.4000	0.062826	0.16308	-1.0000
-122	4.0856	1.2851	0.057672	0.14970	-1.0000
-127	3.3952	1.0680	0.047927	0.12440	-1.0000
-132	3.2301	1.0160	0.045597	0.11835	-1.0000
-142	3.2602	1.0255	0.046020	0.11945	-1.0000
-152	3.3932	1.0632	0.047715	0.12385	-1.0000
-157	3.3952	1.0680	0.047786	0.12404	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.3802	1.0632	0.047715	0.12385	-1.0000
-157	3.3952	1.0680	0.047786	0.12404	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.3752	1.0617	0.047645	0.12367	-1.0000
-172	3.3952	1.0617	0.047645	0.12367	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	2.9899	0.93902	0.040704	0.10589	-1.0000
-187	3.2510	1.0211	0.045842	0.11919	-1.0000

>ADDITIONAL , MEASURED THRUST PARAMETERS

Run 16

>ARA-ETHIS PRELIMINARY DATA 06/11/79 CADDELL REC 13/13/79 02:04:24.339 FAC 8X6X1 PGM C034 RDG 1122

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
92	17.363	5.3192	0.21430	0.43103	0.43200
97	9.0187	2.8084	0.11314	0.22757	0.53000
47	11.149	3.4752	0.14001	0.28161	0.62900
97	11.319	3.5292	0.14214	0.28590	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
92	12.977	4.0453	0.16298	0.32781	0.42200
97	9.1337	2.8473	0.11471	0.23073	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	32.341	10.082	0.40618	0.81698	0.50800
82	16.344	5.0945	0.20150	0.40529	0.58300
87	3.4278	1.0686	0.043051	0.086592	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.3738	1.6752	0.067491	0.13575	0.62400
112	5.0337	1.5598	0.062842	0.12640	0.83000
122	4.6035	1.4351	0.057817	0.11629	0.96000
127	3.4428	1.0733	0.043243	0.086971	1.0500
137	4.6285	1.4429	0.058131	0.11692	1.2200
142	4.4284	1.3805	0.055618	0.11187	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.3738	1.6752	0.067491	0.13575	-1.0000
-112	5.0037	1.5598	0.062842	0.12640	-1.0000
-122	4.6035	1.4351	0.057817	0.11629	-1.0000
-127	3.4428	1.0733	0.043243	0.086971	-1.0000
-137	4.6285	1.4429	0.058131	0.11692	-1.0000
-142	4.4284	1.3805	0.055618	0.11187	-1.0000
-152	3.4128	1.0639	0.042862	0.086213	-1.0000
-157	3.4128	1.0639	0.042862	0.086213	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4128	1.0639	0.042862	0.086213	-1.0000
-157	3.4128	1.0639	0.042862	0.086213	-1.0000

>ADDITIONAL PRESSURE RATIOS , 70 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4178	1.0655	0.042925	0.086339	-1.0000
-172	3.4178	1.0655	0.042925	0.086339	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.9475	0.91885	0.037018	0.074457	-1.0000
-187	3.0175	0.94067	0.037897	0.076224	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

Run 16

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.747	4.6120	0.18556	0.43094	0.43200
37	7.9135	2.4476	0.098270	0.22824	0.53000
47	9.6602	3.0211	0.12154	0.28229	0.62500
52	9.7951	3.0633	0.12324	0.28623	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.205	3.5041	0.14097	0.32742	0.42200
67	7.9355	2.4723	0.099465	0.23101	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	32.254	10.087	0.40587	0.94253	0.50800
82	16.326	5.0119	0.20164	0.46831	0.58300
92	3.4290	1.0724	0.043143	0.10020	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTER SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.3701	1.6794	0.067565	0.15693	0.62400
112	4.9950	1.5621	0.062866	0.14596	0.83000
122	4.5998	1.4384	0.057748	0.13412	0.96000
127	3.4290	1.0724	0.043143	0.10020	1.0000
137	4.0795	1.2758	0.051327	0.11921	1.2200
142	3.9696	1.2414	0.049942	0.11599	1.3503

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.3701	1.6794	0.067556	0.15693	-1.0000
-112	4.9950	1.5621	0.062866	0.14596	-1.0000
-122	4.5998	1.4384	0.057748	0.13412	-1.0000
-127	3.4290	1.0724	0.043143	0.10020	-1.0000
-137	4.0795	1.2759	0.051327	0.11921	-1.0000
-142	3.9696	1.2414	0.049942	0.11599	-1.0000
-152	3.4340	1.0446	0.042829	0.099472	-1.0000
-157	3.4299	1.0661	0.042892	0.099618	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4340	1.0646	0.042829	0.099472	-1.0000
-157	3.4299	1.0641	0.042892	0.099618	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4243	1.0646	0.042829	0.099472	-1.0000
-172	3.4040	1.0646	0.042829	0.099472	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.9136	0.91119	0.036658	0.085141	-1.0000
-187	2.9136	0.91119	0.036658	0.085141	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

C-2

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Run 16

NASA-LEWIS PRELIMINARY DATA 3/11/79 CARDFILE REC 10/13/79 02:06:11.463 FAC BXAVI PGM C034 RDC 1174

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.139	4.1355	0.16695	0.43124	0.42700
37	8.9837	2.1751	0.087972	0.22847	0.53000
47	9.6106	2.6906	0.10887	0.28262	0.62900
52	8.7356	2.7297	0.11040	0.28672	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
52	9.9902	3.1217	0.12624	0.32790	0.42200
67	7.0557	2.2047	0.089173	0.23159	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	32.130	10.033	0.40581	1.0539	0.50800
82	15.956	4.9860	0.20166	0.52372	0.58300
92	3.4192	1.0684	0.043215	0.11223	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.3403	1.6687	0.067493	0.17528	0.42400
112	4.9751	1.5546	0.062878	0.16330	0.83000
122	4.5699	1.4280	0.057757	0.15000	0.96000
127	3.4242	1.0700	0.043277	0.11238	1.0900
137	3.5993	1.1247	0.045490	0.11814	1.2200
142	3.6344	1.1357	0.045934	0.11929	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.3403	1.6687	0.067493	0.17528	-1.0000
-112	4.9751	1.5546	0.062878	0.16330	-1.0000
-122	4.5699	1.4280	0.057757	0.15000	-1.0000
-127	3.4242	1.0700	0.043277	0.11238	-1.0000
-137	3.5993	1.1247	0.045490	0.11814	-1.0000
-142	3.6344	1.1357	0.045934	0.11929	-1.0000
-152	3.4042	1.0637	0.043024	0.11173	-1.0000
-157	3.4042	1.0637	0.043024	0.11173	-1.0000

>ADDITIONAL PRESSURE RATIOS , AFT NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4042	1.0637	0.043024	0.11173	-1.0000
-157	3.4042	1.0637	0.043024	0.11173	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SIMTOR LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.3342	1.0422	0.042960	0.11157	-1.0000
-172	3.4042	1.0637	0.043024	0.11173	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SIMTOR LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-187	2.9188	0.91206	0.036889	0.095802	-1.0000
-192	2.9393	0.91839	0.037142	0.096459	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	18.747	5.8977	0.21562	0.43157	0.43200
37	9.8890	3.1109	0.11374	0.22765	0.53000
47	12.243	3.8514	0.14081	0.28183	0.62900
52	12.413	3.9049	0.14276	0.28574	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	14.262	4.4865	0.16403	0.32830	0.42200
67	10.029	3.1550	0.11535	0.23087	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	35.014	11.015	0.40271	0.80603	0.50800
82	17.536	5.5158	0.20166	0.40362	0.58300
92	3.4078	1.0721	0.039195	0.078448	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	5.8892	1.8526	0.067733	0.13557	0.62400
112	5.4740	1.7221	0.062958	0.12601	0.83000
122	5.0338	1.5836	0.057896	0.11588	0.96000
127	3.4229	1.0769	0.039367	0.078794	1.0900
137	5.0789	1.5977	0.058414	0.11692	1.2200
142	4.9688	1.5316	0.055997	0.11208	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	5.8892	1.8526	0.067733	0.13557	-1.0000
-112	5.4740	1.7221	0.062958	0.12601	-1.0000
-122	5.0338	1.5836	0.057896	0.11588	-1.0000
-127	3.4229	1.0769	0.039367	0.078794	-1.0000
-137	5.0789	1.5977	0.058414	0.11692	-1.0000
-142	4.9688	1.5316	0.055997	0.11208	-1.0000
-152	3.3978	1.0658	0.038964	0.077988	-1.0000
-157	3.3978	1.0658	0.038964	0.077988	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.3978	1.0658	0.038964	0.077988	-1.0000
-157	3.3978	1.0658	0.038964	0.077988	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SLOPED LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.3928	1.0642	0.038907	0.077872	-1.0000
-172	3.3928	1.0642	0.038907	0.077872	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SLOPED LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	2.9174	0.91463	0.033439	0.066929	-1.0000
-187	2.9324	0.92259	0.033727	0.067505	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	16.029	5.0596	0.18477	0.43026	0.43200
37	8.4656	2.6721	0.097584	0.22723	0.53000
47	10.479	3.3078	0.12080	0.28129	0.62900
52	10.639	3.3583	0.12264	0.28559	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	12.173	3.8424	0.14032	0.32676	0.42200
67	8.5754	2.7068	0.098852	0.23019	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	34.934	11.027	0.40269	0.93771	0.50900
82	17.497	5.5215	0.20164	0.46956	0.58300
87	3.3902	1.0701	0.039049	0.091002	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	5.8559	1.8484	0.067503	0.15719	0.62400
112	5.4406	1.7237	0.062950	0.14658	0.83000
122	5.0158	1.5832	0.057819	0.13464	0.96000
127	3.3252	1.0717	0.039134	0.091137	1.0900
137	4.4357	1.4001	0.051132	0.11906	1.2200
142	4.3156	1.3622	0.049748	0.11584	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	5.8559	1.8484	0.067503	0.15719	-1.0000
-112	5.4406	1.7237	0.062950	0.14658	-1.0000
-122	5.0158	1.5832	0.057819	0.13464	-1.0000
-127	3.3252	1.0717	0.039134	0.091137	-1.0000
-137	4.4357	1.4001	0.051132	0.11906	-1.0000
-142	4.3156	1.3622	0.049748	0.11584	-1.0000
-152	3.3652	1.0622	0.038792	0.090331	-1.0000
-157	3.3652	1.0622	0.038792	0.090331	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN REVERSE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-157	3.3652	1.0622	0.038792	0.090331	-1.0000
-157	3.3652	1.0622	0.038792	0.090331	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SIMPSON LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.3652	1.0622	0.038792	0.090331	-1.0000
-172	3.3652	1.0622	0.038792	0.090331	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SIMPSON LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-187	2.8899	0.91221	0.033313	0.077573	-1.0000
-192	2.9249	0.92329	0.033717	0.078513	-1.0000

>EOTIO 5 , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
52	14.425	4.5258	0.16575	0.63204	0.43200
57	7.6381	2.3964	0.087763	0.33476	0.53000
62	9.4429	2.9628	0.10850	0.41381	0.62900
67	9.5778	3.0050	0.11005	0.41966	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	10.967	3.4346	0.12575	0.32787	0.62200
67	7.7331	2.4262	0.088856	0.23160	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	34.989	10.977	0.40203	1.0479	0.50800
82	17.543	5.5038	0.20157	0.52540	0.58300
87	3.4063	1.0687	0.039139	0.10202	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	5.8727	1.8441	0.067536	0.17604	0.62400
112	5.4726	1.7173	0.062881	0.16390	0.83000
122	5.0274	1.5773	0.057766	0.15057	0.96000
127	3.4213	1.0734	0.039312	0.10247	1.0900
137	3.9667	1.2383	0.045349	0.11820	1.2200
142	4.0918	1.2555	0.045981	0.11985	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	5.8727	1.8441	0.067536	0.17604	-1.0000
-112	5.4726	1.7170	0.062881	0.16390	-1.0000
-122	5.0274	1.5773	0.057766	0.15057	-1.0000
-127	3.4213	1.0734	0.039312	0.10247	-1.0000
-137	3.9667	1.2383	0.045349	0.11820	-1.0000
-142	4.0918	1.2555	0.045981	0.11985	-1.0000
-152	3.3963	1.0656	0.039024	0.10172	-1.0000
-157	3.3963	1.0656	0.039024	0.10172	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.3963	1.0656	0.039024	0.10172	-1.0000
-157	3.3963	1.0656	0.039024	0.10172	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SIMPLE INFLATION

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.3963	1.0656	0.039024	0.10172	-1.0000
-172	3.3913	1.0640	0.038967	0.10157	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SIMPLE INFLATION

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	2.9159	0.91486	0.033504	0.087331	-1.0000
-187	2.9569	0.92769	0.033964	0.088530	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	17.939	5.5509	0.18619	0.43161	0.43200
37	9.4218	2.9317	0.098334	0.22795	0.53000
47	11.665	3.6298	0.12175	0.28224	0.62900
52	11.925	3.6796	0.12762	0.28611	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.559	4.2190	0.14151	0.32805	0.42200
67	9.5517	2.9721	0.099690	0.23110	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	38.115	11.860	0.39786	0.92216	0.50900
82	19.313	6.0093	0.20156	0.46726	0.58300
97	3.4366	1.0693	0.035867	0.083147	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	6.4725	2.0140	0.067552	0.15660	0.62400
112	6.0275	1.8755	0.062908	0.14583	0.83000
122	5.5474	1.7261	0.057899	0.13422	0.56000
127	3.4516	1.0740	0.036024	0.083510	1.0900
137	4.9373	1.5363	0.051530	0.11945	1.2200
142	4.7972	1.4927	0.050068	0.11607	1.3500

>ADDITIONAL PRESSURE RATIOS , BOATTAIL INLET

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	6.4725	2.0140	0.067552	0.15660	-1.0000
-112	6.0275	1.8755	0.062908	0.14583	-1.0000
-122	5.5474	1.7261	0.057858	0.13422	-1.0000
-127	3.4516	1.0740	0.036024	0.083510	-1.0000
-137	4.9373	1.5363	0.051530	0.11945	-1.0000
-142	4.7972	1.4927	0.050068	0.11607	-1.0000
-152	3.4166	1.0631	0.035659	0.082663	-1.0000
-157	3.4166	1.0631	0.035659	0.082663	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4166	1.0631	0.035659	0.082663	-1.0000
-157	3.4166	1.0631	0.035659	0.082663	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4166	1.0631	0.035659	0.082663	-1.0000
-172	3.4215	1.0647	0.035711	0.082784	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.9663	0.92300	0.030959	0.071768	-1.0000
-187	3.0113	0.93701	0.031429	0.072858	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Run 16

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	15.871	4.5544	0.16574	0.43069	0.43200
37	8.3966	2.4211	0.087685	0.22785	0.53000
47	10.396	3.2421	0.10946	0.28183	0.62500
52	10.536	3.2889	0.11002	0.28599	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	12.360	3.7646	0.12594	0.32726	0.42200
67	8.5366	2.6554	0.089833	0.23086	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	38.105	11.895	0.39792	1.0340	0.50800
82	19.312	6.0296	0.20168	0.52407	0.58300
92	3.4259	1.0694	0.035776	0.092966	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	6.4618	2.0172	0.067480	0.17535	0.62400
112	6.0318	1.8829	0.062990	0.16368	0.83000
122	5.5467	1.7315	0.057924	0.15052	0.96000
127	3.4409	1.0741	0.035933	0.093373	1.0400
137	4.3514	1.3583	0.045441	0.11808	1.2200
142	4.4164	1.3786	0.046120	0.11984	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	6.4618	2.0172	0.067480	0.17535	-1.0000
-112	6.0318	1.8829	0.062990	0.16368	-1.0000
-122	5.5467	1.7315	0.057924	0.15052	-1.0000
-127	3.4409	1.0741	0.035933	0.093373	-1.0000
-137	4.3514	1.3583	0.045441	0.11808	-1.0000
-142	4.4164	1.3786	0.046120	0.11984	-1.0000
-152	3.4009	1.0616	0.035515	0.092287	-1.0000
-157	3.4359	1.0632	0.035567	0.092423	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4009	1.0616	0.035515	0.092287	-1.0000
-157	3.4359	1.0632	0.035567	0.092423	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SWIRL LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4359	1.0632	0.035567	0.092423	-1.0000
-172	3.4009	1.0616	0.035515	0.092287	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SWIRL LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	2.9355	0.91637	0.030656	0.079660	-1.0000
-187	2.9356	0.93199	0.031178	0.081018	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.723	4.0255	0.16571	0.43167	0.43200
37	8.3131	2.6741	0.087609	0.22823	0.53300
47	10.277	3.2195	0.10831	0.28215	0.62500
52	10.437	3.2696	0.11000	0.28655	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
72	11.922	3.7345	0.12564	0.32729	0.42200
67	8.4180	2.6370	0.088716	0.23111	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	37.743	11.823	0.39777	1.0362	0.50000
82	19.135	5.9942	0.20166	0.52533	0.58300
92	3.4019	1.0657	0.035851	0.093394	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	6.3981	2.0043	0.067428	0.17565	0.62408
112	5.9730	1.8711	0.062948	0.16398	0.83000
122	5.4929	1.7207	0.057888	0.15080	0.96000
127	3.4219	1.0719	0.036062	0.093944	1.0900
137	4.2924	1.3446	0.045237	0.11784	1.2200
142	4.3625	1.3666	0.045975	0.11977	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	6.3981	2.0043	0.067428	0.17565	-1.0000
-112	5.9730	1.8711	0.062948	0.16398	-1.0000
-122	5.4929	1.7207	0.057888	0.15080	-1.0000
-127	3.4219	1.0719	0.036062	0.093944	-1.0000
-137	4.2924	1.3446	0.045237	0.11784	-1.0000
-142	4.3625	1.3664	0.045975	0.11977	-1.0000
-152	3.3969	1.0610	0.035693	0.092982	-1.0000
-157	3.3969	1.0610	0.035693	0.092982	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLAN

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.3969	1.0610	0.035693	0.092982	-1.0000
-157	3.3969	1.0610	0.035693	0.092982	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.3969	1.0610	0.035693	0.092982	-1.0000
-172	3.3969	1.0610	0.035693	0.092982	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.9315	0.91931	0.030804	0.080491	-1.0000
-187	2.9766	0.93242	0.031369	0.081718	-1.0000

>OPTIONAL , MEASURED THRUST PARAMETERS

Run 16

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	17.609	5.5089	0.18558	0.43229	0.43200
37	9.3080	2.9120	0.098099	0.22851	0.53000
47	11.516	3.6029	0.12137	0.28272	0.62900
52	11.671	3.6513	0.12300	0.28652	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.399	4.1919	0.14122	0.32895	0.42200
67	9.4329	2.9511	0.099416	0.23158	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	37.532	11.820	0.39820	0.92756	0.50800
82	19.156	5.9931	0.20189	0.47029	0.58300
92	3.4143	1.0682	0.035985	0.083823	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	6.4144	2.0068	0.067603	0.15747	0.62400
112	5.9895	1.8738	0.063125	0.14704	0.83000
122	5.4996	1.7206	0.057962	0.13502	0.96000
127	3.4343	1.0744	0.036196	0.084314	1.0400
137	4.8596	1.5203	0.051217	0.11930	1.2200
142	4.7396	1.4828	0.049952	0.11636	1.3500

>ADDITIONAL PRESSURE RATIOS , COMPRESSOR INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	6.4144	2.0068	0.067603	0.15747	-1.0000
-112	5.9895	1.8738	0.063125	0.14704	-1.0000
-122	5.4996	1.7206	0.057962	0.13502	-1.0000
-127	3.4343	1.0744	0.036196	0.084314	-1.0000
-137	4.8596	1.5203	0.051217	0.11930	-1.0000
-142	4.7396	1.4828	0.049952	0.11636	-1.0000
-152	3.4043	1.0651	0.035879	0.083577	-1.0000
-157	3.4143	1.0651	0.035879	0.083577	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4043	1.0651	0.035879	0.083577	-1.0000
-157	3.4143	1.0651	0.035879	0.083577	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4043	1.0651	0.035879	0.083577	-1.0000
-172	3.3903	1.0635	0.035827	0.083454	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.9191	0.91327	0.030766	0.071666	-1.0000
-187	2.9742	0.93048	0.031346	0.073016	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Rev K

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NOMB	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.501	4.5491	0.16571	0.43121	0.43200
37	7.6795	2.4192	0.087758	0.22837	0.53000
47	9.4960	2.9786	0.10849	0.28233	0.62900
52	9.6339	3.0223	0.11009	0.28649	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD NOMB	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.013	3.4551	0.12586	0.32751	0.42203
67	7.7795	2.4406	0.088901	0.23134	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD NOMB	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	34.496	10.944	0.39867	1.0374	0.50000
82	17.632	5.5316	0.20150	0.52434	0.58300
92	3.4134	1.0708	0.039007	0.10150	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NOMB	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.0044	1.8523	0.067474	0.17558	0.62400
112	5.4993	1.7252	0.062845	0.16354	0.83000
122	5.0592	1.5872	0.057815	0.15045	0.96000
127	3.4234	1.0740	0.039121	0.10180	1.0900
137	3.9687	1.2451	0.045353	0.11802	1.2700
142	4.0238	1.2623	0.045982	0.11966	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD VALVE

AVD NOMB	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.0044	1.8523	0.067474	0.17558	-1.0000
-112	5.4993	1.7252	0.062845	0.16354	-1.0000
-122	5.0592	1.5872	0.057815	0.15045	-1.0000
-127	3.4234	1.0740	0.039121	0.10180	-1.0000
-137	3.9687	1.2451	0.045353	0.11802	-1.0000
-142	4.0238	1.2623	0.045982	0.11966	-1.0000
-152	3.3934	1.0646	0.038778	0.10091	-1.0000
-157	3.3946	1.0661	0.038836	0.10106	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD NOMB	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.3934	1.0646	0.038778	0.10091	-1.0000
-157	3.3946	1.0661	0.038836	0.10106	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD NOMB	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.3934	1.0646	0.038778	0.10091	-1.0000
-172	3.3934	1.0646	0.038778	0.10091	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD NOMB	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.9330	0.92014	0.033518	0.087221	-1.0000
-187	2.9671	0.93056	0.033861	0.088113	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	16.146	5.0310	0.18456	0.43164	0.43200
37	8.5314	2.6589	0.097522	0.22808	0.53000
47	10.555	3.2897	0.12066	0.28219	0.62500
52	10.715	3.3395	0.12249	0.28647	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	12.774	3.8254	0.14031	0.32815	0.42200
67	8.6463	2.6947	0.098836	0.23115	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	34.947	10.892	0.39948	0.93429	0.50800
82	17.654	5.5020	0.20180	0.47197	0.58300
92	3.4257	1.0676	0.039150	0.091583	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	5.9366	1.8498	0.067818	0.15791	0.62400
112	5.5065	1.7162	0.062945	0.14721	0.83000
122	5.0614	1.5774	0.057857	0.13531	0.96000
127	3.4357	1.0708	0.039273	0.091850	1.0900
137	4.4562	1.3888	0.050939	0.11913	1.2200
142	4.3462	1.3545	0.049681	0.11619	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	5.9066	1.8498	0.067818	0.15791	-1.0000
-112	5.5065	1.7162	0.062945	0.14721	-1.0000
-122	5.0614	1.5774	0.057857	0.13531	-1.0000
-127	3.4357	1.0708	0.039273	0.091850	-1.0000
-137	4.4562	1.3888	0.050939	0.11913	-1.0000
-142	4.3462	1.3545	0.049681	0.11619	-1.0000
-152	3.4107	1.0630	0.038997	0.091182	-1.0000
-157	3.4107	1.0630	0.038997	0.091182	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4107	1.0630	0.038997	0.091182	-1.0000
-157	3.4107	1.0630	0.038997	0.091182	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SIMULATED LOCATION

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4107	1.0630	0.038997	0.091182	-1.0000
-177	3.4057	1.0614	0.038930	0.091048	-1.0000

>ADDITIONAL PRESSURE RATIOS , 60 DEG SIMULATED LOCATION

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	2.9233	0.91014	0.033392	0.078073	-1.0000
-187	2.9456	0.92418	0.033867	0.079277	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

Ron K.

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	18.874	5.8427	0.21304	0.43132	0.43200
37	9.9359	3.0940	0.11245	0.22767	0.53000
47	12.335	3.8152	0.13926	0.28195	0.62900
52	17.470	5.8704	0.14112	0.28573	0.72703

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.358	4.4566	0.16250	0.32900	0.42200
67	10.076	3.1274	0.11403	0.23088	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	35.316	10.961	0.39969	0.80933	0.50400
82	17.845	5.5388	0.20196	0.40858	0.58300
87	3.4490	1.0677	0.038932	0.078824	0.67800

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.9762	1.8549	0.067636	0.13696	0.62400
112	5.5761	1.7307	0.063108	0.12777	0.83000
122	5.1159	1.5879	0.057900	0.11723	0.96000
127	3.4600	1.0739	0.039159	0.079283	1.0000
137	5.1159	1.5879	0.057900	0.11723	1.2200
142	4.9309	1.5212	0.055466	0.11230	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.9762	1.8549	0.067636	0.13696	-1.0000
-112	5.5761	1.7307	0.063108	0.12777	-1.0000
-122	5.1159	1.5879	0.057900	0.11723	-1.0000
-127	3.4600	1.0739	0.039159	0.079283	-1.0000
-137	5.1159	1.5879	0.057900	0.11723	-1.0000
-142	4.9309	1.5212	0.055466	0.11230	-1.0000
-152	3.4250	1.0631	0.038762	0.078480	-1.0000
-157	3.4200	1.0615	0.038706	0.078365	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN EXHAUST DUCT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4250	1.0631	0.038762	0.078480	-1.0000
-157	3.4200	1.0615	0.038706	0.078365	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SIPHON LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4250	1.0631	0.038762	0.078480	-1.0000
-172	3.4200	1.0631	0.038762	0.078480	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SIPHON LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.9346	0.91356	0.033326	0.067473	-1.0000
-187	2.9346	0.92439	0.033779	0.068390	-1.0000

>SPLITTER 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	17.199	5.3251	0.21450	0.43113	0.43200
37	9.0927	2.8132	0.11332	0.22776	0.53000
47	11.172	3.4795	0.14016	0.28171	0.62500
52	11.337	3.5309	0.14223	0.28587	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	3.306	4.0507	0.16317	0.32796	0.42200
67	9.1527	2.8506	0.11482	0.23079	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	[illegible]	2.9517	0.40087	0.80572	0.50800
82	16.2[illegible]	5.0077	0.20172	0.40544	0.58300
92	3.4310	1.0686	0.043043	0.086515	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	5.3922	1.6763	0.067522	0.13572	0.62400
112	5.0121	1.5610	0.062878	0.12638	0.83000
122	4.6318	1.4332	0.057732	0.11604	.96000
127	3.4310	1.0686	0.043043	0.086515	1.0900
137	4.6318	1.4426	0.058109	0.11679	1.2200
142	4.4267	1.3787	0.055535	0.11162	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREARM INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	5.3922	1.6763	0.067522	0.13572	-1.0000
-112	5.0121	1.5610	0.062879	0.12638	-1.0000
-122	4.6318	1.4332	0.057732	0.11604	-1.0000
-127	3.4310	1.0686	0.043043	0.086515	-1.0000
-137	4.6318	1.4426	0.058109	0.11679	-1.0000
-142	4.4267	1.3787	0.055535	0.11162	-1.0000
-152	3.4160	1.0639	0.042855	0.086136	-1.0000
-157	3.4110	1.0623	0.042792	0.086010	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4160	1.0639	0.042855	0.086136	-1.0000
-157	3.4110	1.0623	0.042792	0.086010	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SWIRL LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4110	1.0623	0.042792	0.086010	-1.0000
-172	3.4110	1.0623	0.042792	0.086010	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SWIRL LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	2.9255	0.91114	0.036702	0.073760	-1.0000
-187	2.9356	0.92385	0.037456	0.075284	-1.0000

>SPITLER 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
52	14.759	4.6362	0.18621	0.43160	0.43200
57	7.8157	2.4393	0.098607	0.22856	0.53000
62	9.6658	3.0167	0.12195	0.28266	0.62900
52	9.8398	3.0588	0.12365	0.28661	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.210	3.4988	0.14144	0.32783	0.42200
67	7.9207	2.4720	0.099932	0.23163	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	31.870	9.9466	0.40209	0.93180	0.50800
82	16.003	4.9945	0.20190	0.46799	0.58300
87	3.4232	1.0684	0.043189	0.10011	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.3547	1.6712	0.067558	0.15659	0.62400
112	4.8945	1.5588	0.063019	0.14606	0.83000
122	4.5792	1.4292	0.057774	0.13391	0.96000
127	3.4332	1.0715	0.043315	0.10040	1.0900
132	4.0738	1.2714	0.051397	0.11913	1.2200
142	3.9549	1.2343	0.049945	0.11577	1.3500

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.3547	1.6712	0.067558	0.15659	-1.0000
-112	4.8945	1.5588	0.063019	0.14606	-1.0000
-122	4.5792	1.4292	0.057774	0.13391	-1.0000
-127	3.4332	1.0715	0.043315	0.10040	-1.0000
-132	4.0738	1.2714	0.051397	0.11913	-1.0000
-142	3.9549	1.2343	0.049945	0.11577	-1.0000
-152	3.4032	1.0621	0.042936	0.099520	-1.0000
-157	3.4342	1.0637	0.042999	0.099667	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4032	1.0621	0.042936	0.099520	-1.0000
-157	3.4342	1.0637	0.042999	0.099667	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SIMULATED LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-162	3.4332	1.0621	0.042936	0.099520	-1.0000
-172	3.3982	1.0606	0.042873	0.099374	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SIMULATED LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.9326	0.93599	0.036621	0.084883	-1.0000
-187	2.9627	0.93665	0.037378	0.086640	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	13.117	4.1110	0.16565	0.43046	0.43200
37	6.9579	2.1807	0.087870	0.22836	0.53000
47	8.5980	2.6947	0.10858	0.28217	0.62900
52	8.7191	2.7323	0.11010	0.28611	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	9.9779	3.1272	0.12601	0.32745	0.42200
67	7.0478	2.2089	0.089007	0.23129	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	31.801	9.9669	0.40162	1.0436	0.50800
82	15.973	5.0052	0.20169	0.52410	0.58300
92	3.4137	1.0699	0.043073	0.11193	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	5.3471	1.6759	0.067529	0.17548	0.62400
112	4.9819	1.5614	0.062917	0.16349	0.83000
122	4.5666	1.4312	0.057672	0.14987	0.96000
127	3.4137	1.0699	0.043073	0.11193	1.0900
137	3.5958	1.1270	0.045412	0.11801	1.2200
142	3.6359	1.1395	0.045917	0.11932	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	5.3471	1.6759	0.067529	0.17548	-1.0000
-112	4.9819	1.5614	0.062917	0.16349	-1.0000
-122	4.5666	1.4312	0.057672	0.14987	-1.0000
-127	3.4137	1.0699	0.043073	0.11193	-1.0000
-137	3.5958	1.1270	0.045412	0.11801	-1.0000
-142	3.6359	1.1395	0.045917	0.11932	-1.0000
-152	3.3936	1.0637	0.042870	0.11137	-1.0000
-157	3.3906	1.0627	0.042820	0.11127	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.3936	1.0637	0.042870	0.11137	-1.0000
-157	3.3906	1.0627	0.042820	0.11127	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD ROTATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.3952	1.0642	0.042884	0.11144	-1.0000
-172	3.3906	1.0627	0.042820	0.11127	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD ROTATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	2.9152	0.91051	0.036689	0.095340	-1.0000
-187	2.9702	0.93091	0.037511	0.097476	-1.0000

>OPTION 5 , MEASURED TWIST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	11.937	2.7024	0.16591	0.43100	0.43200
37	6.2388	1.9676	0.088147	0.22890	0.50000
47	7.7686	2.4336	0.10888	0.28288	0.62400
52	7.8786	2.4650	0.11063	0.28688	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	8.3082	2.8188	0.12626	0.32802	0.62700
67	6.3638	1.9911	0.089199	0.23173	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	28.706	8.9825	0.40241	1.0454	0.50000
82	14.399	4.5052	0.20183	0.52432	0.58300
92	3.4130	1.0678	0.047838	0.12428	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	4.8336	1.5029	0.067329	0.17491	0.62400
112	4.4885	1.4043	0.062913	0.16344	0.83000
122	4.1183	1.2885	0.057725	0.14996	0.92300
127	3.4130	1.0678	0.047838	0.12428	1.0000
137	3.2479	1.0162	0.045526	0.11826	1.2200
142	3.3929	1.0271	0.046015	0.11954	1.3500

>ADDITIONAL PRESSURE RATIOS , CORRECTED INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	4.8336	1.5029	0.067329	0.17491	-1.0000
-112	4.4885	1.4043	0.062913	0.16344	-1.0000
-122	4.1183	1.2885	0.057725	0.14996	-1.0000
-127	3.4130	1.0678	0.047838	0.12428	-1.0000
-137	3.2479	1.0162	0.045526	0.11826	-1.0000
-142	3.2479	1.0271	0.046015	0.11954	-1.0000
-152	3.3929	1.0616	0.047557	0.12355	-1.0000
-157	3.3978	1.0631	0.047628	0.12373	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.3929	1.0616	0.047557	0.12355	-1.0000
-157	3.3978	1.0631	0.047628	0.12373	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD TREATMENT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.3929	1.0616	0.047557	0.12355	-1.0000
-172	3.3929	1.0616	0.047557	0.12355	-1.0000

>ADDITIONAL PRESSURE RATIOS , NO DEG SHROUD TREATMENT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.8976	0.90662	0.040615	0.10551	-1.0000
-187	2.9627	0.92695	0.041527	0.10788	-1.0000

>ADDITIONAL , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	13.292	4.1686	0.18678	0.43147	0.43200
37	7.0475	2.2101	0.099033	0.22877	0.53000
47	4.7140	2.7339	0.12251	0.28295	0.62900
52	8.8330	2.7700	0.12412	0.28672	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	10.098	3.1667	0.14190	0.32770	0.42200
67	7.1226	2.2336	0.10008	0.23120	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	28.686	8.9952	0.40307	0.93109	0.50800
82	14.367	4.5056	0.20188	0.46635	0.58300
92	3.4049	1.0678	0.047847	0.11053	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	4.7912	1.5025	0.067327	0.15553	0.62400
112	4.4760	1.4037	0.062897	0.14529	0.83000
122	4.1036	1.2960	0.057623	0.13311	0.96000
127	3.3999	1.0662	0.047776	0.11036	1.0400
137	3.6652	1.1494	0.051504	0.11897	1.2200
142	3.5601	1.1164	0.050027	0.11556	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	4.7912	1.5025	0.067327	0.15553	-1.0000
-112	4.4760	1.4037	0.062897	0.14528	-1.0000
-122	4.1036	1.2960	0.057623	0.13311	-1.0000
-127	3.3999	1.0662	0.047776	0.11036	-1.0000
-137	3.6652	1.1494	0.051504	0.11897	-1.0000
-142	3.5601	1.1164	0.050027	0.11556	-1.0000
-152	3.3949	1.0615	0.047565	0.10988	-1.0000
-157	3.3949	1.0615	0.047565	0.10988	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.3949	1.0615	0.047565	0.10988	-1.0000
-157	3.3949	1.0615	0.047565	0.10988	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD INFLATION

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-162	3.3949	1.0615	0.047565	0.10988	-1.0000
-172	3.3139	1.0431	0.047636	0.11004	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD INFLATION

AVD NODE	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	2.9736	0.93610	0.040692	0.093799	-1.0000
-187	2.3544	0.92653	0.041516	0.095694	-1.0003

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.442	4.8381	0.21471	0.43118	0.63200
37	9.1431	2.5407	0.11319	0.22785	0.53000
47	10.393	3.1416	0.13596	0.29173	0.62500
52	10.265	3.1898	0.14211	0.29406	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.779	3.6521	0.16279	0.32751	0.42200
67	8.2701	2.5750	0.11472	0.23092	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	29.098	9.0568	0.40363	0.81247	0.50800
82	14.538	4.5265	0.20166	0.40593	0.58300
87	3.4333	1.0649	0.047621	0.095857	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	4.8541	1.5116	0.067333	0.13554	0.62400
112	4.6339	1.4117	0.062891	0.12660	0.83000
122	4.1536	1.2933	0.057617	0.11598	0.96000
127	3.4333	1.0649	0.047621	0.095857	1.3930
132	4.1936	1.3026	0.058033	0.11682	1.2200
142	3.9785	1.2459	0.055465	0.11165	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	4.8541	1.5116	0.067333	0.13554	-1.0000
-112	4.6339	1.4117	0.062891	0.12660	-1.0000
-122	4.1536	1.2933	0.057617	0.11598	-1.0000
-127	3.4333	1.0649	0.047621	0.095857	-1.0000
-132	4.1936	1.3026	0.058033	0.11682	-1.0000
-142	3.9785	1.2459	0.055465	0.11165	-1.0000
-152	3.4193	1.0642	0.047412	0.095437	-1.0000
-157	3.4193	1.0642	0.047412	0.095437	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4193	1.0642	0.047412	0.095437	-1.0000
-157	3.4193	1.0642	0.047412	0.095437	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4193	1.0642	0.047412	0.095437	-1.0000
-172	3.4193	1.0642	0.047412	0.095437	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.8225	0.91905	0.040539	0.081602	-1.0000
-187	2.7276	0.89021	0.041447	0.083416	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Run 6

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD MODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	10.555	3.2922	0.16534	0.43068	0.43200
37	5.6135	1.7500	0.087891	0.22993	0.52900
47	6.9357	2.1634	0.10865	0.28331	0.62900
52	7.0357	2.1946	0.11022	0.28709	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD MODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	8.0436	2.5080	0.12596	0.32809	0.42200
67	5.6836	1.7719	0.088999	0.23179	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD MODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	25.650	8.0008	0.40182	1.0466	0.50400
82	12.968	4.0438	0.20158	0.52508	0.58300
92	3.4196	1.0666	0.053569	0.13953	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD MODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	4.2701	1.3319	0.066892	0.17424	0.62400
112	3.9949	1.2461	0.062582	0.16301	0.83000
122	3.6647	1.1431	0.057410	0.14954	0.96000
127	3.4146	1.0651	0.053491	0.13933	1.0900
137	2.8992	0.90432	0.045417	0.11830	1.2200
142	2.9192	0.91056	0.045731	0.11912	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD MODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	4.2701	1.3319	0.066892	0.17424	-1.0000
-112	3.9949	1.2461	0.062582	0.16301	-1.0000
-122	3.6647	1.1431	0.057410	0.14954	-1.0000
-127	3.4146	1.0651	0.053491	0.13934	-1.0000
-137	2.8992	0.90432	0.045417	0.11830	-1.0000
-142	2.9192	0.91056	0.045731	0.11912	-1.0000
-152	3.4046	1.0620	0.053334	0.13892	-1.0000
-157	3.4046	1.0629	0.053334	0.13892	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD MODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4046	1.0620	0.053334	0.13892	-1.0000
-157	3.4046	1.0620	0.053334	0.13892	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD MODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4046	1.0620	0.053334	0.13892	-1.0000
-172	3.4036	1.0604	0.053256	0.13872	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD MODE	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.9092	0.90744	0.045574	0.11871	-1.0000
-187	2.9033	0.92617	0.046515	0.12116	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Run 16

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	11.912	3.7066	0.18678	0.43042	0.43200
37	6.2691	1.9470	0.095118	0.22041	0.53000
47	7.7592	2.4364	0.12268	0.28271	0.62900
52	7.8631	2.4675	0.12424	0.28654	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	9.9929	2.9221	0.14221	0.32771	0.42200
67	6.3631	1.9905	0.12030	0.23115	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	25.539	8.0144	0.40385	0.93065	0.50800
82	12.731	4.0108	0.20211	0.46575	0.58300
92	3.4319	1.0676	0.053796	0.12397	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	4.2374	1.3297	0.067006	0.15441	0.62400
112	3.9673	1.2450	0.062734	0.14457	0.83000
122	3.6373	1.1413	0.057513	0.13254	0.96000
127	3.3969	1.0660	0.053715	0.12378	1.0900
137	3.2618	1.0236	0.051579	0.11886	1.2200
142	3.1667	0.99375	0.050075	0.11540	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	4.2374	1.3297	0.067006	0.15441	-1.0000
-112	3.9673	1.2450	0.062734	0.14457	-1.0000
-122	3.6373	1.1413	0.057513	0.13254	-1.0000
-127	3.3969	1.0660	0.053715	0.12378	-1.0000
-137	3.2618	1.0236	0.051579	0.11886	-1.0000
-142	3.1667	0.99375	0.050075	0.11540	-1.0000
-152	3.3969	1.0628	0.053557	0.12342	-1.0000
-157	3.3969	1.0628	0.053557	0.12342	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.3969	1.0628	0.053557	0.12342	-1.0000
-157	3.3969	1.0628	0.053557	0.12342	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.3969	1.0628	0.053557	0.12342	-1.0000
-172	3.3969	1.0628	0.053557	0.12342	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	2.9965	0.93781	0.046644	0.10519	-1.0000
-187	3.0365	1.02466	0.046596	0.10737	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.703	4.3024	0.21540	0.43097	0.43200
37	7.2569	2.2785	0.11408	0.22824	0.53000
47	8.9763	2.8184	0.14110	0.28232	0.62900
52	9.1012	2.8576	0.14307	0.28625	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.400	3.2656	0.16349	0.32711	0.47200
67	7.3369	2.3036	0.11533	0.23076	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	25.644	8.0516	0.40311	0.80654	0.50900
82	12.929	4.0279	0.20166	0.40348	0.58300
92	3.4064	1.0695	0.053547	0.10714	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	4.2518	1.3350	0.066836	0.13372	0.62400
112	3.9917	1.2533	0.062748	0.12556	0.83000
122	3.6515	1.1465	0.057401	0.11485	0.96000
127	3.3964	1.0664	0.053390	0.10682	1.0900
137	3.7015	1.1622	0.058187	0.11642	1.2200
142	3.5365	1.1104	0.055592	0.11123	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	4.2518	1.3350	0.066836	0.13372	-1.0000
-112	3.9917	1.2533	0.062748	0.12556	-1.0000
-122	3.6515	1.1465	0.057401	0.11485	-1.0000
-127	3.3964	1.0664	0.053390	0.10682	-1.0000
-137	3.7015	1.1622	0.058187	0.11642	-1.0000
-142	3.5365	1.1104	0.055592	0.11123	-1.0000
-152	3.3864	1.0633	0.053233	0.10651	-1.0000
-157	3.3864	1.0633	0.053233	0.10651	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN REZERO FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.3864	1.0633	0.053233	0.10651	-1.0000
-157	3.3864	1.0633	0.053233	0.10651	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SWITCH LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.3814	1.0617	0.053154	0.10635	-1.0000
-172	3.3864	1.0633	0.053233	0.10651	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SWITCH LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.8911	0.907775	0.045447	0.090930	-1.0000
-187	2.9561	0.928174	0.046470	0.092976	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	14.649	4.5974	0.19561	0.43057	0.43200
37	7.7593	2.4352	0.098317	0.22807	0.53000
47	9.5934	3.0108	0.12154	0.28198	0.62900
52	9.7293	3.0532	0.12327	0.28594	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	11.127	3.4922	0.14099	0.32706	0.42200
67	7.8543	2.4650	0.099520	0.23086	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	32.050	10.059	0.40610	0.94205	0.58900
82	15.917	4.9956	0.20168	0.46786	0.58300
92	3.3992	1.0668	0.043071	0.099913	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	5.3247	1.6711	0.067469	0.15651	0.62400
112	4.9697	1.5597	0.062970	0.14607	0.83000
122	4.5546	1.4296	0.057710	0.13387	0.96000
127	3.4042	1.0686	0.043134	0.10006	1.0900
137	4.0545	1.2725	0.051373	0.11917	1.2200
142	3.9395	1.2364	0.049916	0.11579	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	5.3247	1.6711	0.067469	0.15651	-1.0000
-112	4.9697	1.5597	0.062970	0.14607	-1.0000
-122	4.5546	1.4296	0.057710	0.13387	-1.0000
-127	3.4042	1.0686	0.043134	0.10006	-1.0000
-137	4.0545	1.2725	0.051373	0.11917	-1.0000
-142	3.9395	1.2364	0.049916	0.11579	-1.0000
-152	3.3862	1.0621	0.042891	0.099472	-1.0000
-157	3.3862	1.0621	0.042891	0.099472	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.3862	1.0621	0.042891	0.099472	-1.0000
-157	3.3862	1.0621	0.042891	0.099472	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.3799	1.0606	0.042817	0.099325	-1.0000
-172	3.3792	1.0606	0.042817	0.099325	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	2.9993	0.93669	0.037978	0.088515	-1.0000
-187	2.9561	0.92319	0.037439	0.086827	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Run 18

NASA-LEWIS PRELIMINARY DATA CADDF-II FACILITY AXEX1 PROGRAM CO:6 RUNS 1155 TO 1184
TIME AND DATE PROCESSED 02:01:50 JUN 11 1979

NOZZLE TYPE — P&W EJECTOR NOZZLE (MODEL A)
FLIGHT CONDITIONS — SUPER SONIC CRUISE (MS=0)
NOZZLE CONFIGURATION — A1
PRIMARY-NOZZLE PLUG — SPLIT PLUG (RETRACTED)
FLOW SPLITTER — CONICAL SPLITTER
FAN NOZZLE — IRIS
CLAMSHELL POSITION
EJECTOR INLET OPENING

RUN	MN	PTF/PTP	PTF/PD	PTP/PD	OMEGA	PTS/PTF	CDS	CDP	CFI	ETAI	ETAI,INT	CFP1	CFP2	FG
1155	1.970	1.99	19.88	9.96	0.000	0.057	0.960	0.991	0.9678	0.9678	0.9709	0.9709	0.9714	1.4533
1156	1.968	2.31	19.95	8.60	0.000	0.057	0.962	0.990	0.9648	0.9648	0.9681	0.9681	0.9686	1.4548
1157	1.970	2.59	19.96	7.69	0.000	0.058	0.962	0.987	0.9626	0.9626	0.9661	0.9661	0.9666	1.4549
1158	1.969	2.01	22.37	11.12	0.000	0.057	0.962	0.991	0.9715	0.9715	0.9742	0.9742	0.9747	1.4550
1159	1.963	2.31	22.39	9.70	0.000	0.057	0.961	0.990	0.9697	0.9697	0.9726	0.9726	0.9731	1.4541
1160	1.963	2.59	22.36	8.64	0.000	0.057	0.961	0.988	0.9709	0.9709	0.9734	0.9734	0.9744	1.4585
1161	1.962	2.01	24.78	12.35	0.000	0.057	0.962	0.992	0.9772	0.9772	0.9796	0.9796	0.9801	1.4582
1162	1.959	2.33	24.86	10.69	0.000	0.057	0.962	0.989	0.9743	0.9743	0.9769	0.9769	0.9774	1.4573
1163	1.961	2.59	24.86	9.59	0.000	0.057	0.963	0.990	0.9716	0.9716	0.9743	0.9743	0.9748	1.4571
1164	1.961	2.03	27.40	13.47	0.000	0.057	0.961	0.991	0.9800	0.9800	0.9822	0.9822	0.9826	1.4609
1165	1.963	2.33	27.48	11.81	0.000	0.057	0.963	0.991	0.9766	0.9766	0.9789	0.9789	0.9793	1.4598
1166	1.963	2.60	27.59	10.62	0.000	0.057	0.962	0.990	0.9755	0.9755	0.9779	0.9779	0.9783	1.4582
1167	1.962	2.31	29.92	12.96	0.000	0.056	0.966	0.994	0.9762	0.9762	0.9783	0.9783	0.9787	1.4612
1168	1.962	2.03	30.00	11.54	0.000	0.056	0.962	0.991	0.9789	0.9789	0.9811	0.9811	0.9815	1.4616
1169	1.962	2.61	29.96	11.48	0.000	0.056	0.962	0.992	0.9756	0.9756	0.9778	0.9778	0.9782	1.4588
1170	1.961	2.32	29.97	12.92	0.000	0.057	0.965	0.992	0.9757	0.9757	0.9778	0.9778	0.9782	1.4585
1171	1.963	2.05	27.47	13.39	0.000	0.057	0.963	0.995	0.9740	0.9740	0.9761	0.9761	0.9766	1.4559
1172	1.963	2.33	27.58	11.86	0.000	0.057	0.962	0.991	0.9786	0.9786	0.9809	0.9809	0.9813	1.4611
1173	1.962	2.60	27.63	10.67	0.000	0.057	0.961	0.990	0.9791	0.9791	0.9815	0.9815	0.9819	1.4617
1174	1.963	2.01	24.88	12.37	0.000	0.057	0.960	0.990	0.9776	0.9776	0.9800	0.9800	0.9805	1.4578
1175	1.964	2.33	25.03	10.76	0.000	0.057	0.963	0.991	0.9763	0.9763	0.9788	0.9788	0.9793	1.4609
1176	1.963	2.58	25.01	9.65	0.000	0.057	0.962	0.989	0.9741	0.9741	0.9768	0.9768	0.9773	1.4602
1177	1.963	2.02	22.52	11.19	0.000	0.057	0.960	0.989	0.9752	0.9752	0.9779	0.9779	0.9784	1.4567
1178	1.963	2.31	22.46	9.73	0.000	0.057	0.961	0.990	0.9718	0.9718	0.9747	0.9747	0.9752	1.4567
1179	1.962	2.59	22.52	8.71	0.000	0.057	0.962	0.990	0.9688	0.9688	0.9718	0.9718	0.9723	1.4562
1180	1.959	2.59	19.95	7.68	0.000	0.058	0.960	0.988	0.9631	0.9631	0.9666	0.9666	0.9671	1.4546
1181	1.962	2.31	19.94	8.65	0.000	0.057	0.960	0.989	0.9676	0.9676	0.9708	0.9708	0.9714	1.4556
1182	1.963	1.99	19.90	9.99	0.000	0.058	0.961	0.992	0.9661	0.9661	0.9692	0.9692	0.9697	1.4521
1183	1.964	2.60	27.67	10.55	0.000	0.057	0.961	0.990	0.9762	0.9762	0.9787	0.9787	0.9791	1.4584
1184	1.963	2.00	19.97	9.97	0.000	0.058	0.960	0.989	0.9728	0.9728	0.9759	0.9759	0.9764	1.4585

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	14.393	4.3475	0.21871	0.43631	0.43200
37	7.7671	2.3978	0.12063	0.24064	0.53000
47	9.0966	2.8083	0.14128	0.28183	0.62900
52	9.2815	2.8653	0.14415	0.28756	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
52	10.671	3.2918	0.16510	0.32936	0.42200
67	15.671	4.8378	0.24338	0.48552	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	25.309	7.8133	0.39307	0.78414	0.56400
82	7.8971	2.4368	0.12269	0.24436	0.63500
92	3.4719	1.0718	0.053920	0.10756	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	5.8174	1.7959	0.090349	0.18024	0.62400
112	3.6569	1.1289	0.056795	0.11330	0.83000
122	2.1259	0.65631	0.033019	0.065867	0.96000
127	3.4418	1.0625	0.053454	0.10663	1.0900
137	3.4768	1.0733	0.053999	0.10772	1.2200
142	3.5268	1.0888	0.054775	0.10927	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	5.8174	1.7959	0.090349	0.18024	-1.0000
-112	3.6569	1.1289	0.056795	0.11330	-1.0000
-122	2.1259	0.65631	0.033019	0.065867	-1.0000
-127	3.4418	1.0625	0.053454	0.10663	-1.0000
-137	3.4768	1.0733	0.053999	0.10772	-1.0000
-142	3.5268	1.0888	0.054775	0.10927	-1.0000
-152	3.4518	1.0656	0.053609	0.10694	-1.0000
-157	3.4518	1.0656	0.053609	0.10694	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4518	1.0656	0.053609	0.10694	-1.0000
-157	3.4518	1.0656	0.053609	0.10694	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-162	3.4518	1.0656	0.053609	0.10694	-1.0000
-172	3.4568	1.0641	0.053533	0.10679	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.3668	1.0394	0.052288	0.10431	-1.0000
-187	3.1365	0.96833	0.048714	0.097188	-1.0000

>SECTION 5 , MEASURED TURBIST PARAMETERS

Run 18

MASS-FLOWS PRELIMINARY DATA 06/11/79 CADDFIT REF 10/17/79 02:01:53.*21 FAC 8X6X1 PGP C854 RNG 1154

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
37	12.336	3.7487	0.18887	0.43565	0.43200
37	6.6866	2.0723	0.10441	0.24083	0.53000
47	7.8316	2.4272	0.12229	0.28208	0.62500
52	7.0966	2.4752	0.12471	0.28766	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	9.2115	2.8548	0.14384	0.33178	0.42200
67	15.608	4.8373	0.24373	0.56217	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	25.235	7.8209	0.39405	0.90891	0.56400
82	7.8566	2.4349	0.12268	0.28298	0.63500
87	3.4447	1.0676	0.053789	0.12407	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	5.7811	1.7917	0.090274	0.20822	0.62400
112	3.6746	1.1388	0.057346	0.13236	0.83000
122	2.1183	0.65652	0.033078	0.076298	0.96000
127	3.4107	1.0598	0.053349	0.12311	1.0900
132	3.1746	0.98382	0.049570	0.11434	1.2200
142	3.0183	0.93574	0.047147	0.10875	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	5.7811	1.7917	0.090274	0.20822	-1.0000
-112	3.6746	1.1388	0.057346	0.13236	-1.0000
-122	2.1183	0.65652	0.033078	0.076298	-1.0000
-127	3.4107	1.0598	0.053349	0.12311	-1.0000
-132	3.1746	0.98382	0.049570	0.11434	-1.0000
-142	3.0183	0.93574	0.047147	0.10875	-1.0000
-152	3.4247	1.0614	0.053477	0.12335	-1.0000
-157	3.4297	1.0629	0.053555	0.12353	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4247	1.0614	0.053477	0.12335	-1.0000
-157	3.4297	1.0629	0.053555	0.12353	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4297	1.0629	0.053555	0.12353	-1.0000
-172	3.4297	1.0629	0.053555	0.12353	-1.0000

>ADDITIONAL PRESSURE RATIOS , NO DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.3696	1.0381	0.052305	0.12064	-1.0000
-187	3.1244	0.96837	0.048789	0.11253	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	10.334	3.3406	0.16758	0.43447	0.43200
37	5.9728	1.8469	0.092645	0.24020	0.53000
47	4.0932	1.1674	0.10847	0.28124	0.62900
52	7.1432	2.2088	0.11080	0.29727	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	8.2286	2.5444	0.12763	0.33092	0.42200
67	15.542	4.8057	0.24107	0.62502	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	25.405	7.8557	0.39407	1.0217	0.56400
82	7.8085	2.4423	0.12752	0.31765	0.63500
92	3.4559	1.0686	0.053603	0.13900	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	5.8427	1.8067	0.090627	0.23497	0.42400
112	3.7010	1.1444	0.057407	0.14886	0.83002
122	2.1342	0.65992	0.033106	0.085828	0.96000
127	3.4257	1.0593	0.053137	0.13777	1.0900
137	3.0453	0.94166	0.047236	0.12247	1.2200
142	2.7400	0.84724	0.042500	0.11019	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	5.8427	1.8067	0.090627	0.23497	-1.0000
-112	3.7010	1.1444	0.057407	0.14886	-1.0000
-122	2.1342	0.65992	0.033106	0.085828	-1.0000
-127	3.4257	1.0593	0.053137	0.13777	-1.0000
-137	3.0453	0.94166	0.047236	0.12247	-1.0000
-142	2.7400	0.84724	0.042500	0.11019	-1.0000
-152	3.4407	1.0639	0.053370	0.13837	-1.0000
-157	3.4407	1.0639	0.053370	0.13837	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.4407	1.0639	0.053370	0.13837	-1.0000
-157	3.4407	1.0639	0.053370	0.13837	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.4407	1.0639	0.053370	0.13837	-1.0000
-172	3.4407	1.0639	0.053370	0.13837	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.3797	1.0453	0.052283	0.13555	-1.0000
-187	3.1494	0.97107	0.048712	0.12629	-1.0000

>SECTION 5 , MEASURED INPUT PARAMETERS

Run 18

NASA-LEWIS PRELIMINARY DATA 06/11/79 CADDELL REC 10/17/79 02:03:42.339 FAC AR6X1 PGM C034 PDC 1158

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.753	4.8552	0.21704	0.43672	0.49200
37	8.6793	2.6750	0.11958	0.24062	0.53000
47	10.154	3.1297	0.13991	0.28151	0.62900
52	10.369	3.1959	0.14287	0.28747	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.004	3.6690	0.16402	0.33002	0.42700
67	15.503	4.7782	0.21360	0.42979	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	28.492	8.7786	0.39247	0.78961	0.56400
82	8.8843	2.7382	0.12241	0.24630	0.63500
87	3.4734	1.0647	0.047621	0.096722	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	6.4634	1.9921	0.089052	0.17919	0.62400
112	4.1266	1.2718	0.056855	0.11440	0.83000
122	2.3945	0.73800	0.032991	0.066382	0.96000
127	3.4558	1.0651	0.047614	0.095806	1.0900
137	3.9963	1.2089	0.053683	0.10802	1.2200
142	3.9514	1.2178	0.054442	0.10954	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR EXITS

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	6.4634	1.9921	0.089052	0.17919	-1.0000
-112	4.1266	1.2718	0.056855	0.11440	-1.0000
-122	2.3945	0.73800	0.032991	0.066382	-1.0000
-127	3.4558	1.0651	0.047614	0.095806	-1.0000
-137	3.9963	1.2089	0.053683	0.10802	-1.0000
-142	3.9514	1.2178	0.054442	0.10954	-1.0000
-152	3.4508	1.0636	0.047545	0.095667	-1.0000
-157	3.4558	1.0651	0.047614	0.095806	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4508	1.0636	0.047545	0.095667	-1.0000
-157	3.4558	1.0651	0.047614	0.095806	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4558	1.0651	0.047614	0.095806	-1.0000
-172	3.4558	1.0651	0.047614	0.095806	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.4359	1.0589	0.047339	0.095251	-1.0000
-187	3.3918	0.99569	0.044513	0.089561	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	13.942	4.2314	0.18896	0.43508	0.43200
37	7.6405	2.3356	0.10430	0.24070	0.53000
47	8.9413	2.7332	0.12206	0.28168	0.[illegible]600
52	9.1314	2.7913	0.12465	0.28767	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	10.492	3.2072	0.14322	0.33053	0.42700
67	15.457	4.7250	0.21100	0.48695	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	20.740	6.7855	0.30233	0.90541	0.56400
82	8.9713	2.7424	0.12247	0.28262	0.63500
92	3.4861	1.0656	0.047587	0.10982	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	6.4996	1.9938	0.088588	0.20444	0.62400
112	4.1420	1.2661	0.056541	0.13049	0.83000
122	2.4093	0.73650	0.032889	0.075902	0.96000
127	3.4710	1.0610	0.047382	0.10935	1.0900
137	3.6263	1.1085	0.049501	0.11424	1.2200
142	3.4560	1.0565	0.047177	0.10888	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREROOM INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	6.4996	1.9938	0.088588	0.20444	-1.0000
-112	4.1420	1.2661	0.056541	0.13049	-1.0000
-122	2.4093	0.73650	0.032889	0.075902	-1.0000
-127	3.4710	1.0610	0.047382	0.10935	-1.0000
-137	3.6263	1.1085	0.049501	0.11424	-1.0000
-142	3.4560	1.0565	0.047177	0.10888	-1.0000
-152	3.4760	1.0626	0.047451	0.10951	-1.0000
-157	3.4760	1.0626	0.047451	0.10951	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4760	1.0626	0.047451	0.10951	-1.0000
-157	3.4760	1.0626	0.047451	0.10951	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.4811	1.0641	0.047519	0.10966	-1.0000
-172	3.4760	1.0626	0.047451	0.10951	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.4760	1.0503	0.046904	0.10824	-1.0000
-187	3.2457	0.99217	0.044306	0.10225	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Row 18

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.423	3.7697	0.16861	0.43619	0.43200
37	8.8635	2.6823	0.093138	0.24054	0.53000
47	8.0391	2.4393	0.10911	0.28225	0.62900
52	8.1993	2.4879	0.11129	0.28788	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	9.4297	2.8586	0.12786	0.33076	0.42200
67	15.405	4.6744	0.20909	0.54087	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	28.932	8.7758	0.39266	1.0158	0.56400
82	9.0302	2.7401	0.12256	0.31705	0.63500
92	3.5167	1.0471	0.047728	0.12347	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	6.5320	1.9820	0.088653	0.22934	0.62400
112	4.1680	1.2647	0.056567	0.14634	0.83000
122	2.4393	0.74016	0.033106	0.085642	0.96000
127	3.4966	1.0610	0.047456	0.12276	1.0900
132	3.4966	1.0610	0.047456	0.12276	1.2200
142	3.1469	0.95504	0.042727	0.11051	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-107	6.5320	1.9820	0.088653	0.22934	-1.0000
-112	4.1680	1.2647	0.056567	0.14634	-1.0000
-122	2.4393	0.74016	0.033106	0.085642	-1.0000
-127	3.4966	1.0610	0.047456	0.12276	-1.0000
-132	3.4966	1.0610	0.047456	0.12276	-1.0000
-142	3.1469	0.95504	0.042727	0.11051	-1.0000
-152	3.5066	1.0640	0.047592	0.12312	-1.0000
-157	3.5066	1.0640	0.047592	0.12312	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-152	3.5066	1.0640	0.047592	0.12312	-1.0000
-157	3.5066	1.0640	0.047592	0.12312	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-167	3.5016	1.0625	0.047524	0.12294	-1.0000
-172	3.5016	1.0625	0.047524	0.12294	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-182	3.4784	1.0569	0.047184	0.12206	-1.0000
-187	3.2812	0.99965	0.044668	0.11555	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	17.845	5.3977	0.21780	0.43713	0.43200
37	9.8137	2.9684	0.11977	0.24039	0.53000
47	11.489	3.4749	0.14021	0.28142	0.62900
52	11.743	3.5520	0.14333	0.28766	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.503	4.0842	0.16480	0.33076	0.42200
67	15.352	4.6435	0.18737	0.37605	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	31.935	9.6592	0.38975	0.78225	0.56400
82	10.019	3.0334	0.12229	0.24541	0.63500
92	3.5359	1.0695	0.043154	0.086613	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	7.1483	2.1622	0.087244	0.17510	0.62400
112	4.6769	1.4146	0.057081	0.11456	0.83000
122	2.6959	0.81664	0.032952	0.066136	0.96000
127	3.5159	1.0634	0.042910	0.086122	1.0900
137	4.4117	1.3344	0.053844	0.10807	1.2200
142	4.4717	1.3526	0.054577	0.10954	1.3500

>ADDITIONAL PRESSURE RATIOS , PRIMARY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	7.1483	2.1622	0.087244	0.17510	-1.0000
-112	4.6769	1.4146	0.057081	0.11456	-1.0000
-122	2.6999	0.81664	0.032952	0.066136	-1.0000
-127	3.5159	1.0634	0.042910	0.086122	-1.0000
-137	4.4117	1.3344	0.053844	0.10807	-1.0000
-142	4.4717	1.3526	0.054577	0.10954	-1.0000
-152	3.5159	1.0634	0.042910	0.086122	-1.0000
-157	3.5158	1.0634	0.042910	0.086122	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN PROBE PLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5158	1.0634	0.042910	0.086122	-1.0000
-157	3.5159	1.0634	0.042910	0.086122	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5158	1.0634	0.042910	0.086122	-1.0000
-172	3.5158	1.0634	0.042910	0.086122	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	2.6510	1.1043	0.044559	0.089432	-1.0000
-187	3.5008	1.0589	0.042727	0.085756	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Row 15

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
57	15.407	4.6532	0.18721	0.43533	0.43200
37	8.4962	2.5660	0.10323	0.24006	0.53000
47	5.0519	3.0356	0.12092	0.28119	0.62900
52	10.152	3.0660	0.12335	0.28684	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	11.647	3.5176	0.14152	0.32909	0.42200
67	15.327	4.6290	0.18624	0.43307	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	32.062	9.6831	0.38957	0.90590	0.56400
82	10.077	3.0434	0.12244	0.28472	0.63500
92	3.5213	1.0635	0.042786	0.099493	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	7.1803	2.1686	0.087245	0.20288	0.62400
112	4.7079	1.4218	0.057203	0.13302	0.83000
122	2.7100	0.81866	0.032928	0.076571	0.96000
127	3.5063	1.0589	0.042603	0.099068	1.0910
137	4.0871	1.2344	0.049660	0.11548	1.2200
142	3.8568	1.1648	0.046862	0.10897	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	7.1803	2.1686	0.087245	0.20288	-1.0000
-112	4.7079	1.4218	0.057203	0.13302	-1.0000
-122	2.7100	0.81866	0.032928	0.076571	-1.0000
-127	3.5063	1.0589	0.042603	0.099068	-1.0000
-137	4.0871	1.2344	0.049660	0.11548	-1.0000
-142	3.8568	1.1648	0.046862	0.10897	-1.0000
-152	3.5063	1.0589	0.042603	0.099068	-1.0000
-157	3.5113	1.0605	0.042664	0.099210	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	3.5063	1.0589	0.042603	0.099068	-1.0000
-157	3.5113	1.0605	0.042664	0.099210	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SIDEARM LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-167	3.5113	1.0605	0.042644	0.099210	-1.0000
-172	3.5013	1.0574	0.042547	0.098987	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SIDEARM LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-182	3.6365	1.0983	0.044195	0.10275	-1.0000
-187	3.6762	1.0488	0.042738	0.099210	-1.0000

>ADDITIONAL PRESSURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.747	4.1816	0.16971	0.43624	0.43200
37	7.5906	2.3089	0.092874	0.24087	0.53000
47	8.9764	2.7000	0.10861	0.28167	0.62900
52	9.0615	2.7563	0.11087	0.28754	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.397	3.1625	0.12721	0.32992	0.42200
67	15.267	4.6439	0.18681	0.48447	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	31.822	9.6793	0.38936	1.0098	0.56400
82	9.9919	3.0393	0.12226	0.31707	0.63500
92	3.5113	1.0680	0.042963	0.11142	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	7.1503	2.1749	0.087489	0.22690	0.62400
112	4.7329	1.4396	0.057910	0.15019	0.83000
122	2.6900	0.81822	0.032914	0.085360	0.96000
127	3.4912	1.0619	0.042718	0.11079	1.0600
137	3.8768	1.1792	0.047435	0.12302	1.2200
142	3.4812	1.0589	0.042595	0.11047	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	7.1503	2.1749	0.087489	0.22690	-1.0000
-112	4.7329	1.4396	0.057910	0.15019	-1.0000
-122	2.6900	0.81822	0.032914	0.085360	-1.0000
-127	3.4912	1.0619	0.042718	0.11079	-1.0000
-137	3.8768	1.1792	0.047435	0.12302	-1.0000
-142	3.4812	1.0589	0.042595	0.11047	-1.0000
-152	3.4963	1.0635	0.042779	0.11094	-1.0000
-157	3.5013	1.0650	0.042840	0.11110	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.4963	1.0635	0.042779	0.11094	-1.0000
-157	3.5013	1.0650	0.042840	0.11110	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5013	1.0650	0.042840	0.11110	-1.0000
-172	3.5013	1.0650	0.042840	0.11110	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.6365	1.1061	0.044494	0.11539	-1.0000
-187	3.4912	1.0619	0.042718	0.11079	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	19.458	5.9309	0.21533	0.43813	0.43200
37	10.696	3.2438	0.11837	0.24084	0.53000
47	12.519	3.7986	0.13854	0.28189	0.62000
52	12.793	3.8816	0.14164	0.28820	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.707	4.4602	0.16275	0.33116	0.42200
67	15.273	4.6318	0.16901	0.34389	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	34.928	10.593	0.38653	0.78648	0.56400
82	11.041	3.3546	0.12241	0.24907	0.63500
92	3.4108	1.0675	0.038952	0.079257	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	7.7754	2.3581	0.086046	0.17508	0.62400
112	5.1543	1.5632	0.057040	0.11606	0.83000
122	2.9833	0.90474	0.033014	0.067174	0.96000
127	3.5148	1.0660	0.038897	0.079144	1.0900
137	4.8134	1.4598	0.053267	0.10838	1.2200
142	4.8535	1.4719	0.053711	0.10929	1.3500

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	7.7754	2.3581	0.086046	0.17508	-1.0000
-112	5.1543	1.5632	0.057040	0.11606	-1.0000
-122	2.9833	0.90474	0.033014	0.067174	-1.0000
-127	3.5148	1.0660	0.038897	0.079144	-1.0000
-137	4.8134	1.4598	0.053267	0.10838	-1.0000
-142	4.8535	1.4719	0.053711	0.10929	-1.0000
-152	3.5068	1.0629	0.038786	0.078918	-1.0000
-157	3.5348	1.0629	0.038786	0.078918	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-157	3.5068	1.0629	0.038786	0.078918	-1.0000
-167	3.5348	1.0629	0.038786	0.078918	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5068	1.0629	0.038786	0.078918	-1.0000
-172	3.4709	1.0644	0.038641	0.078631	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.8107	1.1557	0.042171	0.085805	-1.0000
-187	3.7304	1.1322	0.040959	0.083321	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

ORIGINAL PAGE IS OF POOR QUALITY

RUN 78

NASA-LEWIS PRELIMINARY DATA 06/11/79 CADDELL REC 10/17/79 02:12:09.753 FAC 976X1 PGM C024 RDG 1165

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	16.980	5.1543	0.18756	0.42662	0.43200
37	9.241[illegible]	2.8357	0.10319	0.24021	0.53000
47	11.642	3.5319	0.12848	0.28139	0.62000
52	11.169	3.3901	0.12336	0.28717	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	12.836	3.9958	0.14176	0.33001	0.42200
67	15.205	4.6154	0.16795	0.39097	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	34.904	10.595	0.38555	0.89752	0.56400
82	11.063	3.3582	0.12220	0.28447	0.63500
92	3.5144	1.0668	0.038820	0.090368	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	7.7954	2.3663	0.086108	0.20045	0.62400
112	5.1771	1.5715	0.057186	0.13312	0.83000
122	2.9834	0.90561	0.032954	0.076714	0.96000
127	3.5044	1.0638	0.038709	0.090111	1.0900
137	4.4961	1.3648	0.049663	0.11561	1.2200
142	4.2507	1.2903	0.046953	0.10930	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREROW INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	7.7954	2.3663	0.086108	0.20045	-1.0000
-112	5.1771	1.5715	0.057186	0.13312	-1.0000
-122	2.9834	0.90561	0.032954	0.076714	-1.0000
-127	3.5044	1.0638	0.038709	0.090111	-1.0000
-137	4.4961	1.3648	0.049663	0.11561	-1.0000
-142	4.2507	1.2903	0.046953	0.10930	-1.0000
-152	3.5094	1.0653	0.038764	0.090240	-1.0000
-157	3.5144	1.0668	0.038820	0.090368	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.5094	1.0653	0.038764	0.090240	-1.0000
-157	3.5144	1.0668	0.038820	0.090368	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.5094	1.0653	0.038764	0.090240	-1.0000
-172	3.5044	1.0638	0.038709	0.090111	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.8500	1.1687	0.042527	0.098998	-1.0000
-187	3.7458	1.1383	0.041420	0.096422	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	15.344	4.6290	0.16775	0.43614	0.43200
37	8.4553	2.5512	0.092456	0.24033	0.53000
47	5.9102	1.9903	0.10837	0.28169	0.62900
52	10.100	3.0477	0.11045	0.28709	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	11.400	3.6009	0.12685	0.32973	0.42200
67	15.149	4.5711	0.16566	0.43060	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	35.280	10.646	0.38579	1.0028	0.56400
82	11.185	3.3751	0.12231	0.31793	0.63500
87	3.5417	1.0687	0.038729	0.10067	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	7.8398	2.3656	0.085729	0.22284	0.62400
112	5.1983	1.5686	0.056844	0.14776	0.83000
122	3.0211	0.91160	0.033036	0.085874	0.96000
127	3.5217	1.0627	0.038513	0.10010	1.0900
137	4.3376	1.3088	0.047432	0.12329	1.2200
142	3.8921	1.1744	0.042561	0.11063	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR VALVE

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	7.8398	2.3656	0.085729	0.22284	-1.0000
-112	5.1983	1.5686	0.056844	0.14776	-1.0000
-122	3.0211	0.91160	0.033036	0.085874	-1.0000
-127	3.5217	1.0627	0.038513	0.10010	-1.0000
-137	4.3376	1.3088	0.047432	0.12329	-1.0000
-142	3.8921	1.1744	0.042561	0.11063	-1.0000
-152	3.5317	1.0657	0.038620	0.10039	-1.0000
-157	3.5317	1.0657	0.038620	0.10039	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5317	1.0657	0.038620	0.10039	-1.0000
-157	3.5317	1.0657	0.038620	0.10039	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5317	1.0657	0.038620	0.10039	-1.0000
-172	3.5317	1.0657	0.038620	0.10039	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.8471	1.1608	0.042068	0.10935	-1.0000
-187	3.7369	1.1276	0.040864	0.10622	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	18.637	5.6531	0.18907	0.43604	0.43200
37	10.259	3.1108	0.10359	0.23905	0.53000
47	12.035	3.6434	0.12179	0.28103	0.62900
52	12.265	3.7223	0.12443	0.28711	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.139	4.2912	0.14346	0.33099	0.42200
67	15.079	4.5763	0.15298	0.35299	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	37.653	11.427	0.38200	0.88144	0.56400
82	12.060	3.6601	0.12235	0.28231	0.63500
92	3.5165	1.0672	0.035675	0.082319	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	8.3798	2.5432	0.085014	0.19617	0.62400
112	5.6285	1.7082	0.057102	0.13176	0.83000
122	3.2512	0.98671	0.032984	0.076108	0.96000
127	3.5165	1.0672	0.035675	0.082319	1.0900
137	4.9329	1.4971	0.050045	0.11548	1.2200
142	4.6727	1.4181	0.047405	0.10938	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR THROAT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	8.3798	2.5432	0.085014	0.19617	-1.0000
-112	5.6285	1.7082	0.057102	0.13176	-1.0000
-122	3.2512	0.98671	0.032984	0.076108	-1.0000
-127	3.5165	1.0672	0.035675	0.082319	-1.0000
-137	4.9329	1.4971	0.050045	0.11548	-1.0000
-142	4.6727	1.4181	0.047405	0.10938	-1.0000
-152	3.5065	1.0642	0.035574	0.082085	-1.0000
-157	3.5065	1.0642	0.035574	0.082085	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5065	1.0642	0.035574	0.082085	-1.0000
-157	3.5065	1.0642	0.035574	0.082085	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5065	1.0642	0.035574	0.082085	-1.0000
-172	3.5065	1.0642	0.035574	0.082085	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-187	4.0921	1.2389	0.041414	0.095560	-1.0000
-192	3.9970	1.2131	0.040553	0.093568	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.591	5.0294	0.16763	0.43565	0.43200
37	9.1386	2.7703	0.092333	0.24013	0.53000
47	10.699	3.2432	0.10809	0.28112	0.62900
52	10.928	3.3129	0.11042	0.28716	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	12.488	3.7857	0.12617	0.32814	0.42200
67	15.067	4.5674	0.15223	0.39590	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	37.669	11.419	0.38060	0.98980	0.56400
82	12.373	3.6598	0.12198	0.31724	0.63500
92	3.5147	1.0657	0.035521	0.092378	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	8.4135	2.5505	0.085007	0.22107	0.62400
112	5.6624	1.7165	0.057211	0.14879	0.83000
122	3.2694	0.99136	0.032942	0.085670	0.96000
127	3.5006	1.0612	0.035369	0.091983	1.0900
137	4.7019	1.4253	0.047505	0.12354	1.2200
142	4.2163	1.2781	0.042603	0.11079	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD ANGLE

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	8.4135	2.5505	0.085007	0.22107	-1.0000
-112	5.6624	1.7165	0.057211	0.14879	-1.0000
-122	3.2694	0.99136	0.032942	0.085670	-1.0000
-127	3.5006	1.0612	0.035369	0.091983	-1.0000
-137	4.7018	1.4253	0.047505	0.12354	-1.0000
-142	4.2163	1.2781	0.042603	0.11079	-1.0000
-152	3.5006	1.0612	0.035369	0.091983	-1.0000
-157	3.5356	1.0627	0.035420	0.092115	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5006	1.0612	0.035369	0.091983	-1.0000
-157	3.5356	1.0627	0.035420	0.092115	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5056	1.0627	0.035420	0.092115	-1.0000
-172	3.5356	1.0627	0.035420	0.092115	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	4.0762	1.2357	0.041185	0.10711	-1.0000
-187	3.9711	1.2038	0.040123	0.10435	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.517	5.0189	0.16751	0.43712	0.43200
37	8.2856	2.7607	0.092139	0.24045	0.53000
47	10.641	3.2335	0.10792	0.28167	0.62900
52	10.961	3.3306	0.11015	0.28745	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	12.367	3.7578	0.12542	0.32729	0.42700
67	15.217	4.5632	0.15229	0.39743	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	37.517	11.400	0.38047	0.99288	0.56400
82	12.037	3.6575	0.12207	0.31855	0.63500
92	3.5095	1.0664	0.035591	0.092877	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	8.3451	2.5418	0.084833	0.22138	0.62400
112	5.6825	1.7267	0.057629	0.15039	0.83000
122	3.2491	0.98726	0.032950	0.085985	0.96000
127	3.5045	1.0649	0.035540	0.092745	1.0900
137	4.6712	1.4194	0.047372	0.12362	1.2200
142	4.1955	1.2718	0.042447	0.11077	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	8.3451	2.5418	0.084833	0.22138	-1.0000
-112	5.6825	1.7267	0.057629	0.15039	-1.0000
-122	3.2491	0.98726	0.032950	0.085985	-1.0000
-127	3.5045	1.0649	0.035540	0.092745	-1.0000
-137	4.6712	1.4194	0.047372	0.12362	-1.0000
-142	4.1955	1.2718	0.042447	0.11077	-1.0000
-152	3.5045	1.0649	0.035540	0.092745	-1.0000
-157	3.4995	1.0633	0.035489	0.092612	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5045	1.0649	0.035540	0.092745	-1.0000
-157	3.4995	1.0633	0.035489	0.092612	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.4995	1.0633	0.035489	0.092612	-1.0000
-172	3.4995	1.0633	0.035489	0.092612	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	4.0954	1.2414	0.041431	0.10812	-1.0000
-187	3.9952	1.2109	0.040415	0.10547	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	1.0535	5.6230	0.18760	0.43525	0.43200
37	10.174	3.0916	0.10315	0.23931	0.53000
47	11.918	3.6214	0.12082	0.28032	0.62600
52	12.188	3.7034	0.12356	0.28666	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	13.991	4.2513	0.14184	0.32907	0.42200
67	14.973	4.5497	0.15176	0.35210	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	37.402	11.392	0.38009	0.88184	0.56400
82	12.038	3.6578	0.12204	0.28314	0.63500
92	3.5156	1.0683	0.035642	0.082691	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	8.3903	2.5495	0.085061	0.19735	0.62400
112	5.7160	1.7369	0.057949	0.13445	0.83000
122	3.2605	0.99075	0.033055	0.076690	0.96000
127	3.5056	1.0652	0.035540	0.082455	1.0900
137	4.9210	1.4953	0.049880	0.11575	1.2200
142	4.6560	1.4148	0.047207	0.10951	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR EXITS

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	8.3903	2.5495	0.085061	0.19735	-1.0000
-112	5.7160	1.7369	0.057949	0.13445	-1.0000
-122	3.2605	0.99075	0.033055	0.076690	-1.0000
-127	3.5056	1.0652	0.035540	0.082455	-1.0000
-137	4.9210	1.4953	0.049880	0.11575	-1.0000
-142	4.6560	1.4148	0.047207	0.10951	-1.0000
-152	3.4956	1.0622	0.035439	0.082220	-1.0000
-157	3.4956	1.0622	0.035439	0.082220	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.4956	1.0622	0.035439	0.082220	-1.0000
-157	3.4956	1.0622	0.035439	0.082220	-1.0000

>ADDITIONAL PRESSURE RATIOS , 30 DEG SPLITTER LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5004	1.0637	0.035490	0.082338	-1.0000
-172	3.4956	1.0622	0.035439	0.082220	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SPLITTER LOCATION

AVD WORD	PI	PL/P0	PI/PTF	PI/PTP	X/DMAX
-182	4.1138	1.2501	0.041676	0.096690	-1.0000
-187	4.0258	1.2233	0.040814	0.094690	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

ORIGINAL PAGE IS
OF POOR QUALITY

Row 18

NASA-LEWIS PRELIMINARY DATA 3/11/79 CADDELL DEC 10/17/79 02:19:28.066 FAC AX6X1 PGM C934 PAG 1171

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	10.605	5.8544	0.21209	0.43734	0.43200
37	10.670	3.2191	0.11717	0.24047	0.53000
47	12.512	3.7746	0.13739	0.28198	0.62900
52	12.772	3.8531	0.14025	0.28784	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	14.703	4.4358	0.16145	0.33136	0.42200
67	14.978	4.5188	0.16449	0.33757	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	34.909	10.502	0.38224	0.78449	0.56400
82	11.151	3.3660	0.12244	0.25130	0.63500
92	3.5345	1.0663	0.038812	0.079656	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	7.8018	2.3537	0.085671	0.17583	0.62400
112	5.1927	1.5666	0.057021	0.11703	0.83000
122	3.0033	0.90604	0.032979	0.067685	0.96000
127	3.5294	1.0648	0.038757	0.079543	1.0900
137	4.9070	1.4802	0.052785	0.10834	1.2200
142	4.9471	1.4923	0.053226	0.10924	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	7.8018	2.3537	0.085671	0.17583	-1.0000
-112	5.1927	1.5666	0.057021	0.11703	-1.0000
-122	3.0033	0.90604	0.032979	0.067685	-1.0000
-127	3.5294	1.0648	0.038757	0.079543	-1.0000
-137	4.9070	1.4802	0.052785	0.10834	-1.0000
-142	4.9471	1.4923	0.053226	0.10924	-1.0000
-152	3.5194	1.0618	0.038646	0.079317	-1.0000
-157	3.5244	1.0633	0.038702	0.079430	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.5194	1.0618	0.038646	0.079317	-1.0000
-157	3.5244	1.0633	0.038702	0.079430	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SIMPSON INFATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.5244	1.0633	0.038702	0.079430	-1.0000
-172	3.5244	1.0633	0.038702	0.079430	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SIMPSON INFATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.8852	1.1751	0.042773	0.087786	-1.0000
-187	3.7649	1.1358	0.041341	0.084850	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	17.195	5.1767	0.18770	0.43650	0.43200
37	9.4541	2.8476	0.10326	0.24013	0.53000
47	11.064	3.3324	0.12084	0.28102	0.62900
52	11.309	3.4062	0.12352	0.28724	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	12.998	3.9150	0.14197	0.33015	0.42200
67	14.942	4.5005	0.16320	0.37952	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	34.898	10.511	0.38117	0.88642	0.56400
82	11.174	3.3656	0.12204	0.28381	0.63500
92	3.4419	1.0368	0.037606	0.087426	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	7.8591	2.3672	0.085839	0.19962	0.62400
112	5.2182	1.5717	0.056994	0.13254	0.83000
122	3.0164	0.90856	0.032946	0.076618	0.96000
127	3.5269	1.0623	0.038522	0.089585	1.0000
137	4.5578	1.3728	0.049781	0.11577	1.2200
142	4.3026	1.2960	0.046994	0.10929	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	7.8591	2.3672	0.085839	0.19962	-1.0000
-112	5.2182	1.5717	0.056994	0.13254	-1.0000
-122	3.0164	0.90856	0.032946	0.076618	-1.0000
-127	3.5269	1.0623	0.038522	0.089585	-1.0000
-137	4.5578	1.3728	0.049781	0.11577	-1.0000
-142	4.3026	1.2960	0.046994	0.10929	-1.0000
-152	3.5269	1.0623	0.038522	0.089585	-1.0000
-157	3.5269	1.0623	0.038522	0.089585	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.5269	1.0623	0.038522	0.089585	-1.0000
-157	3.5269	1.0623	0.038522	0.089585	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHIFTED LOCATION

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.5269	1.0623	0.038522	0.089585	-1.0000
-172	3.5269	1.0623	0.038522	0.089585	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHIFTED LOCATION

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.9423	1.1874	0.043059	0.10013	-1.0000
-187	3.8335	1.1513	0.041747	0.097084	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Run 18

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
32	15.171	4.6080	1.16743	0.43606	0.43200
37	8.3771	2.5430	0.092390	0.24065	0.53000
47	9.7823	2.9713	0.11796	0.27818	0.62900
52	9.9923	3.0351	.11026	0.28721	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW [illegible]TER I.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
62	11.482	3.4876	0.12670	0.33026	0.42200
67	14.991	4.5200	0.16420	0.42773	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	34.540	10.491	0.39113	0.99281	0.56400
82	11.067	3.3616	0.12212	0.31811	0.63500
87	3.5141	1.0674	0.038776	0.10101	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	7.7670	2.3592	0.085703	0.22325	0.62400
112	5.1656	1.5690	0.056999	0.14848	0.83000
122	2.9985	0.90775	0.032976	0.085901	0.96000
127	3.4991	1.0628	0.038610	0.10058	1.0900
137	4.2949	1.3046	0.047391	0.12345	1.2200
142	3.9495	1.1693	0.042476	0.11065	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-107	7.7670	2.3592	0.085703	0.22325	-1.0000
-112	5.1656	1.5690	0.056599	0.14848	-1.0000
-122	2.9985	0.90775	0.032976	0.085901	-1.0000
-127	3.4991	1.0628	0.038610	0.10058	-1.0000
-137	4.2949	1.3046	0.047391	0.12345	-1.0000
-142	3.9495	1.1693	0.042476	0.11065	-1.0000
-152	3.5041	1.0644	0.038665	0.10072	-1.0000
-157	3.5041	1.0644	0.038665	0.10072	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-152	3.5041	1.0644	0.038665	0.10072	-1.0000
-157	3.5041	1.0644	0.038665	0.10072	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-167	3.5041	1.0644	0.038665	0.10072	-1.0000
-172	3.5141	1.0644	0.038665	0.10072	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-182	3.8845	1.1799	0.042863	0.11166	-1.0000
-187	3.7536	1.1404	0.041427	0.10791	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

NASA-LEWIS PRELIMINARY DATA 06/11/79 CADDELL REC 13/17/79 02:24:00.240 FAC 9X6X1 PGM C034 RUN 18 RNG 1174

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	17.789	5.4946	0.21719	0.43684	0.43200
37	9.7938	2.9756	0.11958	0.24051	0.53000
47	11.469	3.4847	0.14006	0.28166	0.62900
52	11.719	3.5636	0.14309	0.28780	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
42	13.436	4.0817	0.16403	0.32991	0.42200
47	14.809	4.4996	0.18082	0.36368	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	31.457	9.5577	0.38409	0.77252	0.56400
82	10.024	3.0455	0.12239	0.24616	0.63500
92	3.5136	1.0675	0.042910	0.086285	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	7.1074	2.1594	0.086781	0.17454	0.62400
112	4.6600	1.4159	0.056899	0.11444	0.83000
122	2.7023	0.82105	0.032996	0.066363	0.96000
127	3.5036	1.0645	0.042778	0.086039	1.0900
137	4.4097	1.3398	0.053843	0.10829	1.2200
142	4.4568	1.3535	0.054393	0.10940	1.3500

>ADDITIONAL PRESSURE RATIOS , EXPANSION INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	7.1074	2.1594	0.086781	0.17454	-1.0000
-112	4.6600	1.4159	0.056899	0.11444	-1.0000
-122	2.7023	0.82105	0.032996	0.066363	-1.0000
-127	3.5036	1.0645	0.042778	0.086039	-1.0000
-137	4.4097	1.3398	0.053843	0.10829	-1.0000
-142	4.4568	1.3535	0.054393	0.10940	-1.0000
-152	3.5036	1.0645	0.042778	0.086039	-1.0000
-157	3.4985	1.0630	0.042717	0.085916	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5036	1.0645	0.042778	0.086039	-1.0000
-157	3.4985	1.0630	0.042717	0.085916	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5036	1.0645	0.042778	0.086039	-1.0000
-172	3.4985	1.0630	0.042717	0.085916	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.6938	1.1223	0.045101	0.090711	-1.0000
-187	3.5406	1.0757	0.043229	0.086946	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Run 18

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	15.416	4.6832	0.18709	0.43526	0.43200
87	8.6940	2.5788	0.10302	0.23966	0.53000
47	9.9399	3.0197	0.12062	0.28061	0.62900
52	10.149	3.0830	0.12317	0.28654	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.653	3.5401	0.14143	0.32902	0.42200
67	14.752	4.4813	0.17903	0.41650	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	31.652	9.6152	0.38413	0.89366	0.56400
82	10.059	3.0557	0.12208	0.28400	0.63500
92	3.5117	1.0668	0.04261[illegible]	0.099150	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	7.1988	2.1838	0.087244	0.20297	0.62400
112	4.8477	1.4720	0.058803	0.13235	0.83000
122	2.7109	0.82352	0.032900	0.076540	0.96000
127	3.4967	1.0622	0.042437	0.098726	1.0900
137	4.0822	1.2401	0.049543	0.11526	1.2200
142	3.8629	1.1732	0.046870	0.10904	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	7.1988	2.1838	0.087244	0.20297	-1.0000
-112	4.8477	1.4740	0.058800	0.13235	-1.0000
-122	2.7109	0.82352	0.032900	0.076540	-1.0000
-127	3.4967	1.0622	0.042437	0.098726	-1.0000
-137	4.0822	1.2401	0.049543	0.11526	-1.0000
-142	3.8629	1.1732	0.046870	0.10904	-1.0000
-152	3.5017	1.0638	0.042497	0.098867	-1.0000
-157	3.5017	1.0638	0.042497	0.098867	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-157	3.5017	1.0638	0.042497	0.098867	-1.0000
-157	3.5017	1.0638	0.042497	0.098867	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5017	1.0638	0.042497	0.098867	-1.0000
-172	3.5017	1.0638	0.042497	0.098867	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.7269	1.1322	0.045231	0.10523	-1.0000
-187	3.5918	1.0911	0.043591	0.10141	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Row 18

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.388	4.1965	0.16781	0.43534	0.43200
37	7.4641	2.5147	0.092559	0.23596	0.53000
42	8.9729	2.7090	0.10833	0.28083	0.62400
52	9.1671	2.7679	0.11068	0.28694	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.523	3.1772	0.12705	0.32938	0.42200
67	14.744	4.4516	0.17801	0.46145	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	31.779	9.5925	0.38359	0.09644	0.56400
82	10.098	3.0488	0.12192	0.31607	0.63500
92	3.5269	1.0647	0.042575	0.11037	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	7.2457	2.1877	0.087484	0.22680	0.62400
117	4.7079	1.4215	0.056843	0.14736	0.83000
122	2.7199	0.82123	0.032839	0.085135	0.96000
127	3.5312	1.0571	0.042272	0.10959	1.0900
137	3.9168	1.1826	0.047291	0.12260	1.2200
142	3.5162	1.0617	0.042454	0.11006	1.3500

>ADDITIONAL PRESSURE RATIOS , FORE-DOOR INLET

AVD WORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	7.2457	2.1877	0.087484	0.22680	-1.0000
-112	4.7079	1.4215	0.056843	0.14736	-1.0000
-122	2.7199	0.82123	0.032839	0.085135	-1.0000
-127	3.5312	1.0571	0.042272	0.10959	-1.0000
-137	3.9168	1.1826	0.047291	0.12260	-1.0000
-142	3.5162	1.0617	0.042454	0.11006	-1.0000
-152	3.5112	1.0602	0.042393	0.10990	-1.0000
-157	3.5162	1.0617	0.042454	0.11006	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5112	1.0602	0.042393	0.10990	-1.0000
-157	3.5162	1.0617	0.042454	0.11006	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5162	1.0617	0.042454	0.11006	-1.0000
-172	3.5212	1.0632	0.042514	0.11022	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.7315	1.1267	0.045056	0.11680	-1.0000
-187	3.6069	1.0889	0.043542	0.11288	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

NASA-LEWIS PRELIMINARY DATA 06/11/79 CADDELL REC 10/17/79 02:26:04.413 FAC 9X6X1 PGM C034 PDG 1177

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.291	4.8960	0.21692	0.43718	0.43200
37	8.9220	2.6908	0.11946	0.24076	0.53000
47	10.442	3.1492	0.13971	0.28178	0.62900
52	10.657	3.2141	0.14269	0.28759	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	12.267	3.6996	0.16425	0.33103	0.42200
67	14.776	4.4443	0.19731	0.39766	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	28.776	8.6784	0.385[illegible]	0.77652	0.56400
82	9.1220	2.7511	0.12217	0.24616	0.63500
92	3.5433	1.0686	0.047441	0.095615	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	6.6169	1.9953	0.088583	0.17853	0.62400
112	4.2441	1.2800	0.056825	0.11453	0.83000
122	2.4618	0.74246	0.032962	0.066433	0.96000
127	3.5293	1.0641	0.047240	0.095210	1.0900
137	3.9988	1.2060	0.053541	0.10791	1.2700
142	4.0489	1.2211	0.054211	0.10926	1.3500

>ADDITIONAL PRESSURE RATIOS , FORECOW INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	6.6169	1.9953	0.088583	0.17853	-1.0000
-112	4.2441	1.2800	0.056825	0.11453	-1.0000
-122	2.4618	0.74246	0.032962	0.066433	-1.0000
-127	3.5293	1.0641	0.047240	0.095210	-1.0000
-137	3.9988	1.2060	0.053541	0.10791	-1.0000
-142	4.0489	1.2211	0.054211	0.10926	-1.0000
-152	3.5293	1.0641	0.047240	0.095210	-1.0000
-157	3.5293	1.0641	0.047240	0.095210	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5293	1.0641	0.047240	0.095210	-1.0000
-157	3.5293	1.0641	0.047240	0.095210	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5293	1.0641	0.047240	0.095210	-1.0000
-172	3.5293	1.0641	0.047240	0.095210	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.5733	1.0777	0.047846	0.096428	-1.0000
-187	3.4181	1.0309	0.045766	0.092238	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Run 18

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	14.119	4.2430	0.19891	0.43617	0.43200
37	7.7956	2.3428	0.10430	0.24083	0.53000
47	9.1267	2.7428	0.12211	0.28195	0.62900
52	9.3018	2.7954	0.12446	0.28736	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	10.708	3.2179	0.14327	0.33079	0.42200
67	14.694	4.4129	0.19647	0.45363	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	28.905	8.6868	0.38675	0.89298	0.56400
82	9.1567	2.7518	0.12252	0.28288	0.63500
92	3.5401	1.0639	0.047367	0.10937	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	6.5944	1.9818	0.088232	0.20372	0.62400
112	4.2563	1.2791	0.056949	0.13149	0.83300
122	2.4642	0.74175	0.033024	0.076250	0.96000
127	3.5251	1.0594	0.047165	0.10890	1.0900
137	3.7204	1.1181	0.049779	0.11494	1.2200
142	3.5301	1.0609	0.047232	0.10906	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	6.5944	1.9818	0.088232	0.20372	-1.0000
-112	4.2563	1.2791	0.056949	0.13149	-1.0000
-122	2.4642	0.74175	0.033024	0.076250	-1.0000
-127	3.5251	1.0594	0.047165	0.10890	-1.0000
-137	3.7204	1.1181	0.049779	0.11494	-1.0000
-142	3.5301	1.0609	0.047232	0.10906	-1.0000
-152	3.5301	1.0609	0.047232	0.10906	-1.0000
-157	3.5401	1.0639	0.047367	0.10937	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NETTING FLOW

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5301	1.0609	0.047232	0.10906	-1.0000
-157	3.5401	1.0639	0.047367	0.10937	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SWITCH LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5351	1.0624	0.047300	0.10921	-1.0000
-172	3.5301	1.0609	0.047232	0.10906	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SWITCH LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.5602	1.0699	0.047635	0.10998	-1.0000
-187	3.3598	1.0097	0.044954	0.10380	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD MODD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	12.572	3.7890	0.16822	0.43525	0.43200
37	6.9467	2.0936	0.092949	0.24049	0.53000
47	8.1423	2.4539	0.10895	0.28188	0.62900
52	8.3023	2.5121	0.11109	0.28742	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD MODD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	9.5226	2.8699	0.12741	0.32966	0.42200
67	14.612	4.4036	0.19551	0.50585	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD MODD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	28.911	9.7130	0.38784	1.0009	0.56400
82	9.1575	2.7598	0.12253	0.31703	0.63500
92	3.5438	1.0680	0.047417	0.12268	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD MODD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	6.6065	1.9910	0.088397	0.22871	0.62400
112	4.2546	1.2822	0.056928	0.14729	0.83000
122	2.4674	0.74362	0.033015	0.085420	0.96000
127	3.5188	1.0605	0.047082	0.12182	1.0900
137	3.5438	1.0680	0.047417	0.12268	1.2200
142	3.1896	0.96090	0.042662	0.11038	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD MODD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	6.6065	1.9910	0.088397	0.22871	-1.0000
-112	4.2546	1.2822	0.056928	0.14729	-1.0000
-122	2.4674	0.74362	0.033015	0.085420	-1.0000
-127	3.5188	1.0605	0.047082	0.12182	-1.0000
-137	3.5438	1.0680	0.047417	0.12268	-1.0000
-142	3.1896	0.96190	0.042662	0.11038	-1.0000
-152	3.5288	1.0635	0.047216	0.12216	-1.0000
-157	3.5288	1.0635	0.047216	0.12216	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD MODD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.5288	1.0635	0.047216	0.12216	-1.0000
-157	3.5288	1.0635	0.047216	0.12216	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SIMPLE EXPATION

AVD MODD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5288	1.0635	0.047216	0.12216	-1.0000
-172	3.5288	1.0635	0.047216	0.12216	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SIMPLE EXPATION

AVD MODD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.5439	1.0741	0.047685	0.12338	-1.0000
-187	3.3686	1.0152	0.045073	0.11662	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	11.044	3.3508	0.16797	0.43567	0.43200
37	6.1089	1.8535	0.092913	0.24094	0.53000
47	7.1503	2.1694	0.10875	0.28201	0.62900
52	7.3005	2.2150	0.11104	0.28793	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	8.4368	2.5597	0.12832	0.33274	0.42200
67	14.526	4.4071	0.22093	0.57289	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	25.678	7.7904	0.39055	1.0128	0.56400
82	8.0563	2.4443	0.12253	0.31774	0.63500
92	3.5196	1.0679	0.053531	0.13881	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.9237	1.7972	0.090095	0.23363	0.62400
112	4.7350	1.1432	0.056804	0.14731	0.83000
122	2.1718	0.65894	0.033032	0.085657	0.96000
127	3.4446	1.0577	0.052998	0.13743	1.0900
137	3.1098	0.94322	0.047283	0.12261	1.2200
142	2.7932	0.84765	0.042482	0.11016	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.9237	1.7972	0.090095	0.23363	-1.0000
-112	4.7350	1.1432	0.056804	0.14731	-1.0000
-122	2.1718	0.65894	0.033032	0.085657	-1.0000
-127	3.4446	1.0577	0.052998	0.13743	-1.0000
-137	3.1098	0.94322	0.047283	0.12261	-1.0000
-142	2.7932	0.84765	0.042482	0.11016	-1.0000
-152	3.5046	1.0633	0.053303	0.13822	-1.0000
-157	3.5046	1.0633	0.053303	0.13822	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5046	1.0633	0.053303	0.13822	-1.0000
-157	3.5046	1.0633	0.053303	0.13822	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD ROTATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5056	1.0640	0.053379	0.13842	-1.0000
-172	3.5046	1.0633	0.053303	0.13822	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD ROTATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.4745	1.0420	0.052236	0.13545	-1.0000
-187	3.2240	0.97814	0.049026	0.12716	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Run 18

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.442	2.7747	0.19026	0.43647	0.43200
37	6.8702	2.0843	0.10450	0.24101	0.53000
47	8.0459	2.4410	0.12239	0.28225	0.62900
52	9.2359	2.4896	0.12682	0.29297	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
67	9.4564	2.8699	0.14385	0.33174	0.42200
67	14.462	4.3874	0.21598	0.50732	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	25.673	7.7888	0.39052	0.90062	0.56400
82	8.0509	2.4425	0.12247	0.28243	0.63500
82	3.5218	1.0685	0.053571	0.12355	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	5.9144	1.7944	0.089967	0.20748	0.62400
112	3.7321	1.1323	0.056770	0.13092	0.83000
122	2.1749	0.65980	0.033081	0.076292	0.96000
127	3.4967	1.0609	0.053190	0.12267	1.0900
137	3.2614	0.98947	0.049611	0.11441	1.2200
142	3.1062	0.94239	0.047250	0.10897	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	5.9144	1.7944	0.089967	0.20748	-1.0000
-112	3.7321	1.1323	0.056770	0.13092	-1.0000
-122	2.1749	0.65980	0.033081	0.076292	-1.0000
-127	3.4967	1.0609	0.053190	0.12267	-1.0000
-137	3.2614	0.98947	0.049611	0.11441	-1.0000
-142	3.1062	0.94238	0.047250	0.10897	-1.0000
-152	3.5018	1.0624	0.053267	0.12284	-1.0000
-157	3.5118	1.0654	0.053419	0.12319	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5018	1.0624	0.053267	0.12284	-1.0000
-157	3.5118	1.0654	0.053419	0.12319	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5068	1.0639	0.053343	0.12302	-1.0000
-172	3.5118	1.0654	0.053419	0.12319	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.4417	1.0442	0.052353	0.12074	-1.0000
-187	3.2914	0.99036	0.049154	0.11336	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD MODD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	14.317	4.3670	0.21869	0.43536	0.43200
37	7.9998	2.3963	0.12040	0.23991	0.53000
47	9.2496	2.9390	0.14115	0.28127	0.62900
52	9.4346	2.9652	0.14797	0.28685	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD MODD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	10.900	3.3130	0.16647	0.33173	0.42200
67	14.402	4.3737	0.21977	0.43794	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD MODD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	25.627	7.7857	0.39107	0.77927	0.56400
82	8.0248	2.4370	0.12246	0.24402	0.63500
92	3.4132	1.0569	0.053611	0.10683	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD MODD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	5.8965	1.7901	0.089950	0.17924	0.62400
113	3.7133	1.1277	0.056666	0.11292	0.83000
122	2.1619	0.65655	0.032991	0.065740	0.96000
127	3.4892	1.0593	0.053230	0.10607	1.0000
137	3.5432	1.0760	0.054069	0.10774	1.2200
142	3.5832	1.0882	0.054680	0.10896	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD FLAPS

AVD MODD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	5.8965	1.7901	0.089950	0.17924	-1.0000
-113	3.7133	1.1277	0.056666	0.11292	-1.0000
-122	2.1619	0.65655	0.032991	0.065740	-1.0000
-127	3.4892	1.0593	0.053230	0.10607	-1.0000
-137	3.5432	1.0760	0.054069	0.10774	-1.0000
-142	3.5832	1.0882	0.054680	0.10896	-1.0000
-152	3.4932	1.0608	0.053306	0.10622	-1.0000
-157	3.4892	1.0624	0.053382	0.10637	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD MODD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.4932	1.0608	0.053306	0.10622	-1.0000
-157	3.4892	1.0624	0.053382	0.10637	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SIMPOD INCIDENCE

AVD MODD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5032	1.0639	0.053459	0.10653	-1.0000
-172	3.4892	1.0624	0.053382	0.10637	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SIMPOD INCIDENCE

AVD MODD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-187	3.4331	1.0424	0.052390	0.10440	-1.0000
-197	3.7179	0.97725	0.049134	0.097852	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

RUN 18

NASA-LEWIS PRELIMINARY DATA 06/11/79 CADDELL REF 10/17/79 02:31:32.639 FAC 8X6X1 PGM C034 RNG 1193

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	15.237	4.6048	0.16763	0.43653	0.43200
37	8.4034	2.5395	0.092444	0.24075	0.53000
47	5.8396	2.0733	0.10023	0.26106	0.62500
52	10.039	3.0337	0.11043	0.28759	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	11.494	3.4736	0.12644	0.32928	0.42200
67	14.409	4.3541	0.15850	0.41277	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	34.939	10.558	0.38326	0.99809	0.56400
82	11.089	3.3510	0.12198	0.31767	0.63500
92	3.6300	1.0668	0.038833	0.10113	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	7.8182	2.3627	0.086007	0.22398	0.62400
112	5.1766	1.5644	0.056947	0.14830	0.83000
122	2.9943	0.90489	0.032940	0.085783	0.96000
127	3.5099	1.0607	0.038612	0.10055	1.0900
137	4.3108	1.3027	0.047423	0.12350	1.2200
142	3.8651	1.1681	0.042522	0.11074	1.3500

>ADDITIONAL PRESSURE RATIOS , FORCATION INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	7.8182	2.3627	0.086007	0.22398	-1.0000
-112	5.1766	1.5644	0.056947	0.14830	-1.0000
-122	2.9943	0.90489	0.032940	0.085783	-1.0000
-127	3.5099	1.0607	0.038612	0.10055	-1.0000
-137	4.3108	1.3027	0.047423	0.12350	-1.0000
-142	3.8651	1.1681	0.042522	0.11074	-1.0000
-152	3.5149	1.0622	0.038667	0.10070	-1.0000
-157	3.5249	1.0653	0.038778	0.10099	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.5149	1.0622	0.038667	0.10070	-1.0000
-157	3.5249	1.0653	0.038778	0.10099	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SWITCH LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5149	1.0622	0.038667	0.10070	-1.0000
-172	3.5199	1.0637	0.038722	0.10084	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SWITCH LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.9703	1.1996	0.043577	0.11088	-1.0000
-187	3.7502	1.1333	0.041256	0.10744	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Row 18

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	14.343	4.3492	0.21773	0.43641	0.43200
37	7.9130	2.3996	0.12012	0.24076	0.53000
47	9.2685	2.8104	0.14070	0.28200	0.62400
52	9.4536	2.8665	0.14351	0.28763	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	10.896	3.3032	0.16537	0.33145	0.42200
67	14.338	4.3477	0.21766	0.43626	0.65200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	25.664	7.7818	0.38958	0.78085	0.56400
82	8.0581	2.4433	0.12232	0.24517	0.63500
92	3.5242	1.0686	0.053498	0.10723	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	5.9618	1.8077	0.090500	0.18139	0.62400
112	3.7395	1.1339	0.056766	0.11378	0.83000
122	2.1773	0.66020	0.033052	0.066246	0.96000
127	3.5042	1.0625	0.053194	0.10662	1.0400
137	3.5443	1.0747	0.053802	0.10784	1.2200
142	3.5493	1.0883	0.054486	0.10921	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	5.9618	1.8077	0.090500	0.18139	-1.0000
-112	3.7395	1.1339	0.056766	0.11378	-1.0000
-122	2.1773	0.66020	0.033052	0.066246	-1.0000
-127	3.5042	1.0625	0.053194	0.10662	-1.0000
-137	3.5443	1.0747	0.053802	0.10784	-1.0000
-142	3.5493	1.0883	0.054486	0.10921	-1.0000
-152	3.5092	1.0641	0.053270	0.10677	-1.0000
-157	3.5042	1.0625	0.053194	0.10662	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.5092	1.0641	0.053270	0.10677	-1.0000
-157	3.5042	1.0625	0.053194	0.10662	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5092	1.0641	0.053270	0.10677	-1.0000
-172	3.5092	1.0641	0.053270	0.10677	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.4491	1.0458	0.052358	0.10496	-1.0000
-187	2.7478	0.88780	0.048243	0.058697	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

RUN 19

NASA-LEWIS PRELIMINARY DATA CODE-II FACILITY 8X6X1 PROGRAM C034 RNGS 1185 TO 1235
TIME AND DATE PROCESSED 19:57:50 JUN 28 1979

NOZZLE TYPE — P+W EJECTOR NOZZLE (MODEL A)
FLIGHT CONDITIONS — SUPER SONIC CRUISE TBS=.04 BTT
NOZZLE CONFIGURATION — A1
PRIMARY-NOZZLE PLUG — SPLIT PLUG (RETRACTED)
FLOW SPLITTER — CONICAL SPLITTER
FAN NOZZLE — TBIS
CLAMSHELL POSITION
EJECTOR INLET OPENING

PDG	MO	PTF/PTP	PTF/PO	PTP/PO	OMEGA	PTS/PTF	CDF	CDP	CF1	ETA1	ETA1.INT	CFP1	CFP2	F0
1185	1.957	2.30	20.26	8.80	0.000	0.120	1.024	0.987	0.9702	0.9702	0.9733	0.9733	0.9738	1.5094
1186	1.957	2.31	22.31	9.65	0.000	0.120	1.027	0.987	0.9715	0.9715	0.9742	0.9742	0.9747	1.5083
1187	1.954	2.32	24.79	10.67	0.000	0.119	1.030	0.992	0.9697	0.9697	0.9721	0.9721	0.9726	1.5072
1188	1.958	2.33	27.38	11.72	0.000	0.119	1.029	0.990	0.9784	0.9784	0.9786	0.9786	0.9790	1.5101
1189	1.955	2.32	29.15	12.58	0.000	0.118	1.026	0.989	0.9771	0.9771	0.9792	0.9792	0.9796	1.5103
1190	1.956	2.32	28.99	12.51	0.000	0.119	1.031	0.991	0.9732	0.9732	0.9752	0.9752	0.9757	1.5096
1191	1.956	2.33	27.53	11.84	0.000	0.119	1.025	0.990	0.9760	0.9760	0.9782	0.9782	0.9786	1.5094
1192	1.958	2.33	29.02	12.76	0.000	0.120	1.028	0.990	0.9731	0.9731	0.9756	0.9756	0.9760	1.5096
1193	1.957	2.30	22.06	9.60	0.000	0.120	1.024	0.988	0.9730	0.9730	0.9758	0.9758	0.9763	1.5083
1194	1.956	2.30	19.58	8.50	0.000	0.121	1.022	0.988	0.9598	0.9598	0.9630	0.9630	0.9635	1.5093
1195	1.956	2.30	19.53	8.49	0.000	0.120	1.020	0.990	0.9696	0.9696	0.9728	0.9728	0.9733	1.5127
1196	1.958	2.31	22.20	9.63	0.000	0.120	1.026	0.990	0.9729	0.9729	0.9753	0.9753	0.9758	1.5105
1197	1.956	2.32	24.86	10.69	0.000	0.120	1.026	0.989	0.9797	0.9797	0.9821	0.9821	0.9826	1.5161
1198	1.958	2.32	27.69	11.89	0.000	0.120	1.029	0.989	0.9821	0.9821	0.9843	0.9843	0.9847	1.5179
1199	1.958	2.33	29.01	12.47	0.000	0.120	1.027	0.990	0.9796	0.9796	0.9817	0.9817	0.9821	1.5157
1200	1.958	2.31	29.28	12.68	0.000	0.120	1.028	0.991	0.9782	0.9782	0.9803	0.9803	0.9807	1.5130
1201	1.957	2.32	27.65	11.92	0.000	0.120	1.026	0.989	0.9808	0.9808	0.9829	0.9829	0.9834	1.5159
1202	1.958	2.32	24.97	10.77	0.000	0.120	1.026	0.989	0.9801	0.9801	0.9829	0.9829	0.9834	1.5166
1203	1.958	2.31	22.22	9.62	0.000	0.120	1.026	0.989	0.9749	0.9749	0.9777	0.9777	0.9782	1.5134
1204	1.956	2.30	19.90	8.66	0.000	0.121	1.023	0.988	0.9706	0.9706	0.9736	0.9736	0.9740	1.5107
1205	1.958	1.99	19.84	9.96	0.037	0.287	0.961	0.990	1.0114	0.9804	0.9835	1.0145	1.0150	1.5093
1206	1.958	2.29	19.78	8.61	0.039	0.287	0.961	0.992	1.0069	0.9736	0.9769	1.0098	1.0103	1.5081
1207	1.958	2.60	19.96	7.69	0.041	0.287	0.958	0.987	1.0147	0.9797	0.9831	1.0181	1.0186	1.5178
1208	1.957	2.00	22.54	11.15	0.037	0.287	0.961	0.989	1.0108	0.9845	0.9872	1.0187	1.0192	1.5110
1209	1.958	2.31	22.48	9.72	0.039	0.287	0.960	0.989	1.0156	0.9820	0.9848	1.0185	1.0190	1.5123
1210	1.958	2.59	22.51	8.68	0.041	0.287	0.961	0.989	1.0171	0.9818	0.9849	1.0201	1.0206	1.5144
1211	1.957	1.99	24.83	12.46	0.037	0.287	0.961	0.990	1.0157	0.9840	0.9864	1.0181	1.0185	1.5089
1212	1.958	2.32	24.98	10.72	0.039	0.287	0.962	0.989	1.0178	0.9835	0.9861	1.0201	1.0206	1.5138
1213	1.957	2.59	24.81	9.59	0.041	0.287	0.960	0.989	1.0205	0.9848	0.9875	1.0232	1.0236	1.5177
1214	1.958	2.00	27.45	13.28	0.037	0.287	0.962	0.993	1.0159	0.9834	0.9856	1.0181	1.0186	1.5102
1215	1.958	2.32	27.39	11.80	0.039	0.287	0.963	0.991	1.0179	0.9837	0.9860	1.0202	1.0207	1.5139
1216	1.957	2.60	27.41	10.54	0.041	0.287	0.962	0.990	1.0200	0.9841	0.9865	1.0224	1.0229	1.5173
1217	1.958	0.93	11.97	12.93	0.015	0.287	2.505	0.991	1.0581	1.0459	1.0481	1.0603	1.0607	2.3657
1218	1.958	0.78	9.02	11.51	0.012	0.287	3.350	0.991	1.0830	1.0739	1.0762	1.0853	1.0857	2.8999
1219	1.957	2.31	29.31	12.67	0.039	0.288	0.961	0.991	1.0233	0.9888	0.9909	1.0256	1.0259	1.5195
1220	1.956	2.60	29.29	11.29	0.041	0.287	0.963	0.991	1.0203	0.9842	0.9864	1.0229	1.0229	1.5181
1221	1.958	2.59	29.35	11.32	0.041	0.288	0.961	0.991	1.0206	0.9845	0.9867	1.0228	1.0232	1.5163
1222	1.959	2.31	29.35	12.71	0.039	0.288	0.962	0.993	1.0194	0.9812	0.9833	1.0178	1.0182	1.5102

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NASA-LEWIS PRELIMINARY DATA CADDE-II FACILITY AX6X1 PROGRAM C034 PAGS 1145 TO 1235 *RUN 19 CONT.*
TIME AND DATE PROCESSED 19:57:50 JUN 28 1979

NOZZLE TYPE — P&W EJECTOR NOZZLE (MODEL A)
FLIGHT CONDITIONS — SUPER SONIC CRUISE (DS=.84 DT)
NOZZLE CONFIGURATION — A1
PRIMARY-NOZZLE PLUG — SPLIT PLUG (RETRACTED)
FLOW SPLITTER — CONICAL SPLITTER
FAN NOZZLE — TRTS
CLAMSHELL POSITION
EJECTOR INLET OPENING

PAG	MO	PTF/PTP	PTF/PO	PTP/PO	OMEGA	PTS/PTF	CNF	CDP	CF1	ETA1	ETA1.INT	CFP1	CFP2	F9
1223	1.957	2.60	27.37	10.54	0.041	0.287	0.962	0.991	1.0184	0.9825	0.9849	1.0208	1.0212	1.5155
1224	1.957	2.33	27.54	11.84	0.039	0.287	0.961	0.990	1.0189	0.9845	0.9868	1.0212	1.0216	1.5128
1225	1.957	2.07	27.40	13.25	0.037	0.287	0.961	0.992	1.0149	0.9825	0.9847	1.0171	1.0176	1.5093
1226	1.957	2.59	24.79	9.58	0.041	0.287	0.961	0.990	1.0148	0.9791	0.9818	1.0172	1.0177	1.5119
1227	1.956	2.33	24.66	10.59	0.039	0.287	0.962	0.994	1.0117	0.9779	0.9805	1.0143	1.0148	1.5086
1228	1.958	2.00	24.85	12.40	0.037	0.287	0.961	0.993	1.0146	0.9828	0.9852	1.0169	1.0174	1.5087
1229	1.959	2.59	22.45	8.66	0.041	0.287	0.960	0.988	1.0181	0.9827	0.9857	1.0211	1.0216	1.5183
1230	1.958	2.31	22.38	9.69	0.039	0.287	0.960	0.990	1.0151	0.9815	0.9844	1.0180	1.0185	1.5122
1231	1.957	2.00	22.41	11.19	0.037	0.287	0.961	0.991	1.0149	0.9834	0.9861	1.0176	1.0181	1.5104
1232	1.957	2.60	19.87	7.65	0.041	0.287	0.960	0.988	1.0096	0.9748	0.9783	1.0131	1.0136	1.5131
1233	1.958	2.30	19.96	8.68	0.039	0.287	0.959	0.989	1.0077	0.9747	0.9779	1.0110	1.0115	1.5064
1234	1.958	2.00	19.99	10.00	0.037	0.287	0.961	0.990	1.0098	0.9788	0.9818	1.0128	1.0133	1.5073
1235	1.958	2.59	19.95	7.71	0.041	0.287	0.959	0.988	1.0121	0.9773	0.9807	1.0155	1.0160	1.5156

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.540	4.3561	0.21956	0.43746	0.43200
37	8.0247	2.4013	0.12123	0.24156	0.53000
47	9.3986	2.8157	0.14191	0.28276	0.62900
52	9.5783	2.8696	0.14463	0.28818	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.093	3.3232	0.16749	0.33376	0.42200
67	13.091	3.9220	0.19767	0.39387	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	28.223	7.8563	0.39596	0.78897	0.56400
82	8.1937	2.4548	0.12372	0.24652	0.63500
92	3.9827	1.0674	0.053795	0.10719	0.89200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	8.0737	2.4188	0.12191	0.24291	0.62400
112	3.9279	1.1768	0.059309	0.11818	0.83000
122	2.3518	0.70456	0.035510	0.070756	0.96000
127	3.5477	1.0629	0.053568	0.10674	1.0900
137	3.7328	1.1183	0.056363	0.11231	1.2200
142	3.6978	1.0998	0.055230	0.11005	1.3900

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	8.0737	2.4188	0.12191	0.24291	-1.0000
-112	3.9279	1.1768	0.059309	0.11818	-1.0000
-122	2.3518	0.70456	0.035510	0.070756	-1.0000
-127	3.5477	1.0629	0.053568	0.10674	-1.0000
-137	3.7328	1.1183	0.056363	0.11231	-1.0000
-142	3.6978	1.0998	0.055230	0.11005	-1.0000
-152	3.5527	1.0644	0.053644	0.10689	-1.0000
-157	3.5527	1.0644	0.053644	0.10689	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5527	1.0644	0.053644	0.10689	-1.0000
-157	3.5527	1.0644	0.053644	0.10689	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5527	1.0644	0.053644	0.10689	-1.0000
-172	3.5527	1.0644	0.053644	0.10689	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3476	1.0029	0.050546	0.10072	-1.0000
-187	3.2475	0.97292	0.049035	0.097705	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

RUN 19

NASA-LEWIS PRELIMINARY DATA 06/28/79 CANDELI REC 10/18/79 00:48:38.921 FAC AVAVI PGM C034 RDG 1206

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.505	3.7774	0.19117	0.43869	0.43200
37	6.9107	2.0876	0.10565	0.24244	0.53000
47	8.0808	2.4411	0.12354	0.28349	0.62900
52	8.2458	2.4909	0.12606	0.28928	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	9.6407	2.9123	0.14738	0.33822	0.42200
67	12.974	3.9193	0.19835	0.45517	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	25.946	7.8373	0.39663	0.91018	0.56400
82	8.1058	2.4486	0.12392	0.28437	0.63500
92	3.5460	1.0706	0.054180	0.12433	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	7.9708	2.4079	0.12186	0.27964	0.62400
112	3.8792	1.1719	0.059309	0.13609	0.83000
122	2.3228	0.70167	0.035510	0.081488	0.96000
127	3.9190	1.0630	0.053797	0.12345	1.0900
137	3.2637	0.98592	0.049895	0.11450	1.2200
142	3.1686	0.95719	0.048442	0.11116	1.3900

>ADDITIONAL PRESSURE RATIOS , NOZZLE INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	7.9708	2.4079	0.12186	0.27964	-1.0000
-112	3.8792	1.1719	0.059309	0.13609	-1.0000
-122	2.3228	0.70167	0.035510	0.081488	-1.0000
-127	3.9190	1.0630	0.053797	0.12345	-1.0000
-137	3.2637	0.98592	0.049895	0.11450	-1.0000
-142	3.1686	0.95719	0.048442	0.11116	-1.0000
-152	3.5290	1.0660	0.053950	0.12380	-1.0000
-157	3.9290	1.0660	0.053950	0.12380	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5290	1.0660	0.053950	0.12380	-1.0000
-157	3.9290	1.0660	0.053950	0.12380	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5290	1.0660	0.053950	0.12380	-1.0000
-172	3.9290	1.0660	0.053950	0.12380	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3238	1.0041	0.050813	0.11661	-1.0000
-187	9.2397	0.97685	0.049456	0.11349	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	11.139	3.3816	0.16834	0.43702	0.43200
37	6.1656	1.8613	0.093235	0.24197	0.53000
47	7.2058	2.1753	0.10897	0.28280	0.62900
52	7.3709	2.2251	0.11146	0.28928	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	8.6399	2.6070	0.13059	0.33893	0.42200
67	12.904	3.8956	0.19514	0.50645	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	20.194	7.8999	0.39990	1.0284	0.96400
82	8.1609	2.4636	0.12341	0.32028	0.63500
92	3.9990	1.0804	0.053918	0.13989	0.89200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTP	PL/PTP	X/DMAX
107	8.0759	2.4380	0.12212	0.31695	0.62400
112	3.9249	1.1847	0.059345	0.19401	0.89000
122	2.3428	0.70726	0.035428	0.091947	0.96000
127	3.9140	1.0400	0.059138	0.19791	1.0900
137	2.9435	0.88858	0.044511	0.11552	1.2200
142	2.8794	0.86745	0.043451	0.11277	1.3500

>ADDITIONAL PRESSURE RATIOS , AUXILIARY INLET

AVD WORD	PL	PL/PO	PL/PTP	PL/PTP	X/DMAX
-107	8.0759	2.4380	0.12212	0.31695	-1.0000
-112	3.9249	1.1847	0.059345	0.19401	-1.0000
-122	2.3428	0.70726	0.035428	0.091947	-1.0000
-127	3.9140	1.0400	0.059138	0.19791	-1.0000
-137	2.9435	0.88858	0.044511	0.11552	-1.0000
-142	2.8794	0.86745	0.043451	0.11277	-1.0000
-152	3.5240	1.0638	0.053289	0.13830	-1.0000
-157	3.5240	1.0638	0.053289	0.13830	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTP	PL/PTP	X/DMAX
-152	3.5240	1.0638	0.053289	0.13830	-1.0000
-157	3.5240	1.0638	0.053289	0.13830	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5240	1.0653	0.053365	0.13850	-1.0000
-172	3.5240	1.0653	0.053365	0.13850	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3288	1.0069	0.050338	0.13064	-1.0000
-187	3.2437	0.97923	0.049052	0.12730	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Run 77

NASA-LEWIS PRELIMINARY DATA 06/28/79 CADDELL REC 10/18/79 00:51:53.159 FAC 8X6X1 PGM C034 RDG 1208

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.217	4.8828	0.21859	0.43778	0.43200
37	8.9335	2.6898	0.12041	0.24116	0.53000
47	10.459	3.1490	0.14097	0.28234	0.62900
52	10.684	3.2168	0.14400	0.28841	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	12.243	3.6864	0.16503	0.33052	0.42200
67	12.833	3.8640	0.17298	0.34644	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	29.306	8.8239	0.39502	0.79113	0.56400
82	9.1786	2.7636	0.12372	0.24778	0.63500
92	3.5451	1.0674	0.047785	0.095703	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	9.0735	2.7320	0.12230	0.24494	0.62400
112	6.4010	1.9281	0.059322	0.11881	0.83000
122	2.6290	0.79158	0.035436	0.070971	0.96000
127	3.9351	1.0644	0.047650	0.095432	1.0900
137	4.1758	1.2573	0.056286	0.11273	1.2200
142	4.0807	1.2287	0.055004	0.11018	1.3500

>ADDITIONAL PRESSURE RATIOS , AFTERBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	9.0735	2.7320	0.12230	0.24494	-1.0000
-112	6.4010	1.9281	0.059322	0.11881	-1.0000
-122	2.6290	0.79158	0.035436	0.070971	-1.0000
-127	3.9351	1.0644	0.047650	0.095432	-1.0000
-137	4.1758	1.2573	0.056286	0.11273	-1.0000
-142	4.0807	1.2287	0.055004	0.11018	-1.0000
-152	3.5351	1.0644	0.047650	0.095432	-1.0000
-157	3.9401	1.0659	0.047717	0.095567	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5351	1.0644	0.047650	0.095432	-1.0000
-157	3.9401	1.0659	0.047717	0.095567	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5401	1.0659	0.047717	0.095567	-1.0000
-172	3.9401	1.0699	0.047717	0.095567	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3449	1.0071	0.045086	0.090297	-1.0000
-187	3.2548	0.98000	0.043871	0.087865	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

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OF POOR QUALITY

Run 99

NASA-LEWIS PRELIMINARY DATA 06/28/79 CADDELL REC 10/18/79 00:52:38.836 FAC 8X6X1 PGM C036 RNG 1209

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	14.195	4.2527	0.18920	0.43745	0.43200
37	7.8314	2.3463	0.10439	0.24135	0.53000
47	9.1706	2.7474	0.12224	0.28262	0.62900
52	9.3602	2.8043	0.12477	0.28847	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	10.689	3.2024	0.14248	0.32942	0.42200
67	12.756	3.8218	0.17003	0.39314	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	29.602	8.8688	0.39457	0.91229	0.56400
82	9.2803	2.7804	0.12370	0.28601	0.63500
92	3.9877	1.0689	0.047595	0.10995	0.89200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	9.1604	2.7445	0.12210	0.28231	0.62400
112	4.4428	1.3310	0.059219	0.13692	0.83000
122	2.6625	0.79770	0.035490	0.082056	0.96000
127	3.5477	1.0629	0.047289	0.10934	1.0900
137	3.7127	1.1123	0.049488	0.11442	1.2200
142	3.6077	1.0809	0.048089	0.11119	1.3500

>ADDITIONAL PRESSURE RATIOS , FORBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	9.1604	2.7445	0.12210	0.28231	-1.0000
-112	4.4428	1.3310	0.059219	0.13692	-1.0000
-122	2.6625	0.79770	0.035490	0.082056	-1.0000
-127	3.5477	1.0629	0.047289	0.10934	-1.0000
-137	3.7127	1.1123	0.049488	0.11442	-1.0000
-142	3.6077	1.0809	0.048089	0.11119	-1.0000
-152	3.5577	1.0659	0.047422	0.10964	-1.0000
-157	3.5577	1.0659	0.047422	0.10964	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5577	1.0659	0.047422	0.10964	-1.0000
-157	3.5577	1.0659	0.047422	0.10964	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5577	1.0659	0.047422	0.10964	-1.0000
-172	3.5577	1.0659	0.047422	0.10964	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.3527	1.0045	0.044689	0.10333	-1.0000
-187	3.2527	0.97450	0.043356	0.10024	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Run 79

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.613	3.7774	0.16928	0.43816	0.43200
37	6.9674	2.0865	0.093505	0.24203	0.53000
47	8.1469	2.4398	0.10933	0.28300	0.62900
52	8.3168	2.4907	0.11162	0.28891	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	9.5061	2.8468	0.12758	0.33022	0.42200
67	12.703	3.8043	0.17048	0.44128	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	29.368	8.7949	0.39413	1.0202	0.56400
82	9.2013	2.7555	0.12349	0.31963	0.63500
92	3.4673	1.0383	0.047875	0.12392	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	9.0514	2.7107	0.12147	0.31442	0.62400
112	4.4776	1.3409	0.060091	0.15554	0.83000
122	2.6369	0.78969	0.035389	0.091600	0.96000
127	3.5423	1.0608	0.047540	0.12305	1.0900
137	3.3222	0.99492	0.044586	0.11541	1.2200
142	3.2972	0.97949	0.06371	0.11319	1.3900

>ADDITIONAL PRESSURE RATIOS , BOATTAIL ANGLE

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	9.0514	2.7107	0.12147	0.31442	-1.0000
-112	4.4776	1.3409	0.060091	0.15554	-1.0000
-122	2.6369	0.78969	0.035389	0.091600	-1.0000
-127	3.5423	1.0608	0.047540	0.12305	-1.0000
-137	3.3222	0.99492	0.044586	0.11541	-1.0000
-142	3.2972	0.97949	0.043713	0.11315	-1.0000
-152	3.5523	1.0638	0.047674	0.12340	-1.0000
-157	3.5923	1.0638	0.047674	0.12340	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5523	1.0638	0.047674	0.12340	-1.0000
-157	3.5923	1.0638	0.047674	0.12340	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5573	1.0653	0.047741	0.12357	-1.0000
-172	3.5973	1.0693	0.047741	0.12357	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTP	PL/PTP	X/DMAX
-182	3.3573	1.0054	0.045056	0.11662	-1.0000
-187	3.2672	0.97845	0.043848	0.11350	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

RUN 19

NASA-LEWIS PRELIMINARY DATA 06/28/79 CADDFII REC 10/18/79 00:55:20.501 FOR 8X6X1 PGM C034 REC 1211

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	18.090	5.4564	0.21975	0.43781	0.43200
37	9.9432	2.9992	0.12079	0.24065	0.53000
47	11.647	3.5131	0.14148	0.28188	0.62900
52	11.912	3.5930	0.14470	0.28829	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	13.639	4.1128	0.16563	0.33000	0.42200
67	12.656	3.8175	0.15374	0.30630	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	32.189	9.7062	0.39098	0.77896	0.56400
82	10.143	3.0595	0.12322	0.24549	0.63500
92	3.5393	1.0676	0.042995	0.085659	0.89200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	10.003	3.0173	0.12152	0.24210	0.62400
112	4.9097	1.4809	0.059642	0.11883	0.83000
122	2.9090	0.87745	0.035338	0.070404	0.96000
127	3.5293	1.0646	0.042873	0.085417	1.0900
137	4.6546	1.4040	0.056544	0.11265	1.2200
142	4.5498	1.3723	0.055268	0.11011	1.3900

>ADDITIONAL PRESSURE RATIOS , FORWARD FACET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	10.003	3.0173	0.12152	0.24210	-1.0000
-112	4.9097	1.4809	0.059642	0.11883	-1.0000
-122	2.9090	0.87745	0.035338	0.070404	-1.0000
-127	3.5293	1.0646	0.042873	0.085417	-1.0000
-137	4.6546	1.4040	0.056544	0.11265	-1.0000
-142	4.5498	1.3723	0.055268	0.11011	-1.0000
-152	3.5243	1.0631	0.042812	0.085296	-1.0000
-157	3.5243	1.0631	0.042812	0.085296	-1.0000

>ADDITIONAL PRESSURE RATIOS , PAN NOZZLE PLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.5243	1.0631	0.042812	0.085296	-1.0000
-157	3.5243	1.0631	0.042812	0.085296	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.5293	1.0646	0.042873	0.085417	-1.0000
-172	3.5293	1.0646	0.042873	0.085417	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.3442	1.0087	0.040625	0.080938	-1.0000
-187	3.2542	0.98157	0.039531	0.078758	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

NASA-LEWIS PRELIMINARY DATA 06/28/79 CADDELL REC 10/18/79 00:56:59.941 FAC 8X6X1 PGM C034 RDG 1212

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.558	4.6918	0.18845	0.43782	0.43200
37	8.5835	2.5885	0.10397	0.24155	0.53000
47	10.036	3.0258	0.12154	0.28236	0.62900
52	10.249	3.0907	0.12414	0.28841	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.719	3.5348	0.14195	0.32978	0.42200
67	12.599	3.7994	0.15261	0.35454	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	32.390	9.7656	0.39185	0.91036	0.56400
82	10.189	3.0726	0.12341	0.28672	0.63500
92	3.5465	1.0689	0.042933	0.099744	0.89200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	10.054	3.0319	0.12178	0.28292	0.62400
112	4.9611	1.4961	0.060092	0.13961	0.83000
122	2.9186	0.88015	0.035353	0.082133	0.96000
127	3.5349	1.0659	0.042812	0.099462	1.0900
137	4.0551	1.2229	0.049118	0.11411	1.2200
142	3.9500	1.1912	0.047849	0.11116	1.3900

>ADDITIONAL PRESSURE RATIOS , AFTERBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	10.054	3.0319	0.12178	0.28292	-1.0000
-112	4.9611	1.4961	0.060092	0.13961	-1.0000
-122	2.9186	0.88015	0.035353	0.082133	-1.0000
-127	3.5349	1.0659	0.042812	0.099462	-1.0000
-137	4.0551	1.2229	0.049118	0.11411	-1.0000
-142	3.9500	1.1917	0.047849	0.11116	-1.0000
-152	3.5345	1.0659	0.042812	0.099462	-1.0000
-157	3.9295	1.0644	0.042791	0.099322	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5345	1.0659	0.042812	0.099462	-1.0000
-157	3.9295	1.0644	0.042791	0.099322	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5345	1.0659	0.042812	0.099462	-1.0000
-172	3.5349	1.0659	0.042812	0.099462	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3492	1.0100	0.040568	0.094250	-1.0000
-187	3.2591	0.99282	0.039477	0.091714	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
37	13.924	4.1961	0.16911	0.43770	0.43200
37	7.6932	2.3153	0.093309	0.24152	0.53000
47	8.9978	2.7115	0.10927	0.28284	0.62900
52	9.1627	2.7612	0.11128	0.28802	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.932	3.1738	0.12791	0.33107	0.62200
67	12.531	3.7761	0.15218	0.39389	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	32.325	9.7404	0.39259	1.0160	0.58400
82	10.157	3.0609	0.12336	0.31929	0.63500
92	3.9929	1.0849	0.042901	0.11104	0.89200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	10.027	3.0217	0.12178	0.31520	0.62400
112	4.9981	1.5062	0.060700	0.15711	0.83000
122	2.9021	0.87453	0.035245	0.091225	0.96000
127	3.9129	1.0989	0.042658	0.11041	1.0900
137	3.6726	1.1067	0.044602	0.11544	1.2200
142	3.9929	1.0928	0.043630	0.11293	1.3900

>ADDITIONAL PRESSURE RATIOS , BOATTAIL INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	10.027	3.0217	0.12178	0.31520	-1.0000
-112	4.9981	1.5062	0.060700	0.15711	-1.0000
-122	2.9021	0.87453	0.035245	0.091225	-1.0000
-127	3.9129	1.0989	0.042658	0.11041	-1.0000
-137	3.6726	1.1067	0.044602	0.11544	-1.0000
-142	3.9929	1.0928	0.043630	0.11293	-1.0000
-152	3.5225	1.0615	0.042779	0.11073	-1.0000
-157	3.5225	1.0615	0.042779	0.11073	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5225	1.0615	0.042779	0.11073	-1.0000
-157	3.5225	1.0615	0.042779	0.11073	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5225	1.0615	0.042779	0.11073	-1.0000
-172	3.5225	1.0615	0.042779	0.11073	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3224	1.0012	0.040349	0.10444	-1.0000
-187	3.2273	0.97254	0.039194	0.10145	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

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Run 19

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	19.296	5.7808	0.21062	0.43784	0.43200
37	10.596	3.1759	0.11571	0.24054	0.53000
47	12.402	3.7174	0.13544	0.28155	0.62900
52	12.672	3.7981	0.13838	0.28767	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	14.647	4.3903	0.15996	0.33252	0.42200
67	12.472	3.7383	0.13620	0.28314	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	35.556	10.657	0.38829	0.80718	0.56400
82	11.285	3.3824	0.12323	0.25618	0.63500
92	3.5802	1.0731	0.039099	0.081278	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	11.110	3.3300	0.12133	0.25221	0.62400
112	5.9189	1.6941	0.060289	0.12528	0.83000
122	3.2505	0.97427	0.035497	0.073791	0.96000
127	3.5892	1.0760	0.039153	0.081391	1.0900
137	4.9791	1.4924	0.054374	0.11303	1.2200
142	4.8542	1.4550	0.053010	0.11020	1.3900

>ADDITIONAL PRESSURE RATIOS , DOWNBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	11.110	3.3300	0.12133	0.25221	-1.0000
-112	5.9189	1.6941	0.060289	0.12528	-1.0000
-122	3.2505	0.97427	0.035497	0.073791	-1.0000
-127	3.5892	1.0760	0.039153	0.081391	-1.0000
-137	4.9791	1.4924	0.054374	0.11303	-1.0000
-142	4.8542	1.4550	0.053010	0.11020	-1.0000
-152	3.5753	1.0716	0.039044	0.081164	-1.0000
-157	3.5753	1.0716	0.039044	0.081164	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.5753	1.0716	0.039044	0.081164	-1.0000
-157	3.5753	1.0716	0.039044	0.081164	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.5703	1.0701	0.038989	0.081051	-1.0000
-172	3.5753	1.0716	0.039044	0.081164	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.3954	1.0177	0.037079	0.077081	-1.0000
-187	3.3094	0.99079	0.036097	0.075039	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	17.188	5.1797	0.18896	0.43858	0.43200
37	9.4510	2.8463	0.10392	0.24119	0.53000
47	11.090	3.3280	0.12150	0.28201	0.62900
52	11.290	3.4002	0.12414	0.28813	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	12.989	3.9059	0.14260	0.33098	0.42200
67	12.415	3.7388	0.13650	0.31682	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	39.471	10.689	0.39001	0.90523	0.98400
82	11.215	3.3776	0.12331	0.28622	0.63500
92	3.9949	1.0078	0.036977	0.090467	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTP	PL/PTP	X/DMAX
107	11.035	3.3235	0.12134	0.28163	0.62400
112	5.9610	1.6748	0.061144	0.14192	0.83000
122	3.2196	0.96965	0.035401	0.082167	0.96000
127	3.5349	1.0646	0.038867	0.090212	1.0900
137	4.4755	1.3479	0.049209	0.11422	1.2200
142	4.9454	1.5007	0.047779	0.11090	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTP	PL/PTP	X/DMAX
-107	11.035	3.3235	0.12134	0.28163	-1.0000
-112	5.9610	1.6748	0.061144	0.14192	-1.0000
-122	3.2196	0.96965	0.035401	0.082167	-1.0000
-127	3.5349	1.0646	0.038867	0.090212	-1.0000
-137	4.4755	1.3479	0.049209	0.11422	-1.0000
-142	4.9454	1.5007	0.047779	0.11090	-1.0000
-152	3.5349	1.0646	0.038867	0.090212	-1.0000
-157	3.5349	1.0646	0.038867	0.090212	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5349	1.0646	0.038867	0.090212	-1.0000
-157	3.5349	1.0646	0.038867	0.090212	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5349	1.0646	0.038867	0.090212	-1.0000
-172	3.4299	1.0631	0.038812	0.090084	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3697	1.0088	0.036831	0.085487	-1.0000
-187	3.2697	0.99472	0.035951	0.083444	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

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RUN 17

NASA-LEWIS PRELIMINARY DATA 06/28/79 CADDEII REC 10/10/79 01:03:31.370 FAC 8X6X1 PGM C034 ORG 1216

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.347	4.6220	0.16864	0.43819	0.43200
37	8.4594	2.5476	0.092951	0.24153	0.53000
47	9.8865	2.9768	0.10861	0.28221	0.62400
52	10.104	3.0430	0.11103	0.28849	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.614	3.4977	0.12761	0.33160	0.42200
67	12.359	3.7219	0.13580	0.35286	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	35.467	10.681	0.38970	1.0126	0.56400
82	11.214	3.3772	0.12322	0.32018	0.63500
92	3.5468	1.0681	0.038972	0.10127	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	10.379	3.3065	0.12064	0.31347	0.62400
112	5.6134	1.6905	0.061680	0.16027	0.83000
122	3.2215	0.97016	0.035397	0.091977	0.96000
127	3.5318	1.0636	0.038807	0.10084	1.0900
137	3.9972	1.2038	0.043921	0.11413	1.2200
142	3.9872	1.2008	0.043811	0.11386	1.3500

>ADDITIONAL PRESSURE RATIOS , BOATTAIL INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	10.979	3.3065	0.12064	0.31347	-1.0000
-112	5.6134	1.6905	0.061680	0.16027	-1.0000
-122	3.2215	0.97016	0.035397	0.091977	-1.0000
-127	3.5318	1.0636	0.038807	0.10084	-1.0000
-137	3.9972	1.2038	0.043921	0.11413	-1.0000
-142	3.9872	1.2008	0.043811	0.11386	-1.0000
-152	3.5368	1.0651	0.038862	0.10098	-1.0000
-157	3.5368	1.0651	0.038862	0.10098	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5368	1.0651	0.038862	0.10098	-1.0000
-157	3.5368	1.0651	0.038862	0.10098	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5318	1.0636	0.038807	0.10084	-1.0000
-172	3.5368	1.0651	0.038862	0.10098	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3516	1.0093	0.036827	0.095692	-1.0000
-187	3.2969	0.99372	0.035892	0.093263	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/BMAX
32	18.916	5.6633	0.47307	0.43805	0.43200
37	10.386	3.1091	0.25971	0.24049	0.53000
47	12.167	3.6431	0.30432	0.28179	0.62900
52	12.427	3.7209	0.31082	0.28781	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/BMAX
62	14.280	4.2757	0.35717	0.33073	0.42200
67	12.312	3.6865	0.30794	0.28515	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/BMAX
77	38.803	11.959	0.96552	0.89404	0.56400
82	12.297	3.6820	0.30757	0.28480	0.63500
92	3.9899	1.0679	0.089173	0.082572	0.89200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/BMAX
107	12.047	3.6072	0.30132	0.27902	0.62400
112	6.0007	1.7967	0.15009	0.13898	0.85000
122	3.5353	1.0585	0.084422	0.081877	0.96000
127	3.9899	1.0679	0.089173	0.082572	1.0900
137	4.8756	1.4599	0.12195	0.11292	1.2200
142	4.8206	1.4434	0.12057	0.11165	1.3900

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/BMAX
-107	12.047	3.6072	0.30132	0.27902	-1.0000
-112	6.0007	1.7967	0.15009	0.13898	-1.0000
-122	3.5353	1.0585	0.084422	0.081877	-1.0000
-127	3.9899	1.0679	0.089173	0.082572	-1.0000
-137	4.8756	1.4599	0.12195	0.11292	-1.0000
-142	4.8206	1.4434	0.12057	0.11165	-1.0000
-152	3.5453	1.0615	0.088672	0.082108	-1.0000
-157	3.5593	1.0649	0.088922	0.082340	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/BMAX
-152	3.5453	1.0615	0.088672	0.082108	-1.0000
-157	3.5593	1.0649	0.088922	0.082340	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/BMAX
-167	3.5553	1.0645	0.088922	0.082340	-1.0000
-172	3.5953	1.0645	0.088922	0.082340	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/BMAX
-182	3.3702	1.0091	0.084293	0.078054	-1.0000
-187	3.2852	0.98364	0.082166	0.076084	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

RUN 19

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.846	5.0423	0.55878	0.43793	0.43200
37	9.2687	2.7743	0.30745	0.24095	0.53000
47	10.836	3.2427	0.35935	0.28163	0.62900
52	11.078	3.3160	0.36748	0.28800	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	12.638	3.7828	0.41921	0.32854	0.42200
67	12.283	3.6766	0.40744	0.31932	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	38.725	11.591	1.2845	1.0067	0.58400
82	12.333	3.6916	0.40910	0.32062	0.63500
92	3.5759	1.0703	0.11861	0.092959	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	12.073	3.6138	0.40048	0.31386	0.62400
112	6.0678	1.8162	0.20127	0.15774	0.83000
122	3.5508	1.0628	0.11778	0.092309	0.96000
127	3.5609	1.0658	0.11812	0.092569	1.0900
137	4.3866	1.3130	0.14551	0.11404	1.2200
142	4.3916	1.3145	0.14567	0.11417	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	12.073	3.6138	0.40048	0.31386	-1.0000
-112	6.0678	1.8162	0.20127	0.15774	-1.0000
-122	3.5508	1.0628	0.11778	0.092309	-1.0000
-127	3.5609	1.0658	0.11812	0.092569	-1.0000
-137	4.3866	1.3130	0.14551	0.11404	-1.0000
-142	4.3916	1.3145	0.14567	0.11417	-1.0000
-152	3.5659	1.0673	0.11828	0.092699	-1.0000
-157	3.5709	1.0688	0.11845	0.092829	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5659	1.0673	0.11828	0.092699	-1.0000
-157	3.5709	1.0688	0.11845	0.092829	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5659	1.0673	0.11828	0.092699	-1.0000
-172	3.5709	1.0688	0.11845	0.092829	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3857	1.0134	0.11230	0.088015	-1.0000
-187	3.3198	0.99093	0.10981	0.086063	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	18.418	5.5923	0.18941	0.43839	0.43200
37	10.112	3.0484	0.10399	0.24069	0.53000
47	11.842	3.5698	0.12178	0.28186	0.62900
52	12.131	3.6482	0.12445	0.28805	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	13.911	4.1936	0.14306	0.33111	0.42200
67	12.216	3.6829	0.12563	0.29078	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	37.699	11.392	0.38729	0.89630	0.96400
82	11.982	3.6120	0.12322	0.28519	0.63500
92	3.9397	1.0871	0.036402	0.084234	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	11.737	3.5382	0.12070	0.27936	0.62400
112	5.9464	1.7926	0.061159	0.14154	0.83000
122	3.4396	1.0369	0.035373	0.081871	0.96000
127	3.5347	1.0656	0.036351	0.084135	1.0900
137	4.7557	1.4337	0.048908	0.11320	1.2200
142	4.7007	1.4171	0.048342	0.11189	1.3900

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	11.737	3.5382	0.12070	0.27936	-1.0000
-112	5.9464	1.7926	0.061159	0.14154	-1.0000
-122	3.4396	1.0369	0.035373	0.081871	-1.0000
-127	3.5347	1.0656	0.036391	0.084135	-1.0000
-137	4.7557	1.4337	0.048908	0.11320	-1.0000
-142	4.7007	1.4171	0.048342	0.11189	-1.0000
-152	3.5297	1.0641	0.036299	0.084016	-1.0000
-157	3.5347	1.0656	0.036351	0.084135	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5297	1.0641	0.036299	0.084016	-1.0000
-157	3.5347	1.0656	0.036351	0.084135	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5297	1.0641	0.036299	0.084016	-1.0000
-172	3.5247	1.0626	0.036248	0.083896	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.3445	1.0083	0.034395	0.079608	-1.0000
-187	3.2644	0.99411	0.033571	0.077702	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Row 19

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.389	4.9315	0.16870	0.43896	0.43200
37	9.0072	2.7103	0.092715	0.24125	0.53000
47	10.532	3.1691	0.10841	0.28209	0.62400
52	10.762	3.2383	0.11078	0.28824	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
67	12.326	3.7090	0.12688	0.33015	0.42200
67	12.187	3.6669	0.12544	0.32640	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	37.595	11.312	0.38698	1.[illegible]769	0.56400
82	11.967	3.6007	0.12318	0.32051	0.63500
92	3.5398	1.0651	0.036437	0.094810	0.69200

>ADDITIONAL PRESSURE RATIOS , [illegible]JECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	11.727	3.5285	0.12071	0.31408	0.62400
112	5.8315	1.7547	0.060026	0.15619	0.83000
122	3.4297	1.0320	0.035304	0.091861	0.96000
127	3.5298	1.0621	0.036334	0.094542	1.0900
137	4.2605	1.2820	0.043855	0.11411	1.2200
142	4.2605	1.2820	0.043855	0.11411	1.3500

>ADDITIONAL PRESSURE RATIOS , BOATTAIL INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	11.727	3.5285	0.12071	0.31408	-1.0000
-112	5.8315	1.7547	0.060026	0.15619	-1.0000
-122	3.4297	1.0320	0.035304	0.091861	-1.0000
-127	3.5298	1.0621	0.036334	0.094542	-1.0000
-137	4.2605	1.2820	0.043855	0.11411	-1.0000
-142	4.2605	1.2820	0.043855	0.11411	-1.0000
-152	3.5248	1.0606	0.036282	0.094408	-1.0000
-157	3.5298	1.0621	0.036334	0.094542	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5248	1.0606	0.036282	0.094408	-1.0000
-157	3.5298	1.0621	0.036334	0.094542	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SWITCH LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5368	1.0636	0.036385	0.094676	-1.0000
-172	3.5298	1.0621	0.036334	0.094542	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SWITCH LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3597	1.0109	0.034582	0.089984	-1.0000
-187	3.2746	0.98682	0.033758	0.087839	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.498	4.9610	0.16901	0.43829	0.43200
37	9.0564	2.7303	0.093005	0.24119	0.53000
47	10.591	3.1926	0.10876	0.28206	0.62900
52	10.821	3.2619	0.11113	0.28818	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	12.270	3.6988	0.12601	0.32678	0.42200
67	12.155	3.6641	0.12483	0.32372	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	37.687	11.360	0.38702	1.0037	0.56400
82	11.986	3.6129	0.12308	0.31920	0.63500
92	3.9448	1.0689	0.036401	0.094399	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	11.761	3.5451	0.12078	0.31321	0.62400
112	5.8810	1.7728	0.060395	0.15662	0.83100
122	3.4395	1.0368	0.035322	0.091600	0.96200
127	3.9298	1.0640	0.036247	0.093999	1.0900
137	4.2752	1.2887	0.043904	0.11386	1.2200
142	4.2892	1.2917	0.044006	0.11412	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	11.761	3.5451	0.12078	0.31321	-1.0000
-112	5.8810	1.7728	0.060395	0.15662	-1.0000
-122	3.4395	1.0368	0.035322	0.091600	-1.0000
-127	3.9298	1.0640	0.036247	0.093999	-1.0000
-137	4.2752	1.2887	0.043904	0.11386	-1.0000
-142	4.2892	1.2917	0.044004	0.11412	-1.0000
-152	3.5346	1.0655	0.036298	0.094133	-1.0000
-157	3.5296	1.0640	0.036247	0.093999	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5346	1.0655	0.036298	0.094133	-1.0000
-157	3.5296	1.0640	0.036247	0.093999	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5346	1.0655	0.036298	0.094133	-1.0000
-172	3.5346	1.0655	0.036298	0.094133	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3444	1.0081	0.034345	0.089068	-1.0000
-187	3.2643	0.99401	0.033523	0.086936	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Run 19

NASA-LEWIS PRELIMINARY DATA 06/28/79 CADDFIT REC 10/18/79 01:12:15.214 FAC AX6K1 PGM C034 PAG 1222

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	18.606	5.5769	0.18999	0.43877	0.43200
37	10.216	3.0620	0.10431	0.24091	0.53000
47	11.969	3.5876	0.12222	0.28226	0.62900
52	12.204	3.6580	0.12462	0.28779	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.092	4.2239	0.14389	0.33232	0.42200
67	12.124	3.6340	0.12380	0.28591	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	37.908	11.362	0.38708	0.89394	0.56400
82	12.069	3.6176	0.12324	0.28461	0.63500
92	3.5675	1.0693	0.036426	0.084129	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	11.854	3.5532	0.12104	0.27955	0.62400
112	5.8528	1.7543	0.059763	0.13802	0.83000
122	3.4675	1.0393	0.035407	0.081770	0.96000
127	3.5575	1.0663	0.036326	0.083894	1.0900
137	4.8028	1.4396	0.049041	0.11326	1.2200
142	4.7378	1.4201	0.048378	0.11173	1.3900

>ADDITIONAL PRESSURE RATIOS , BOATTAIL INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	11.854	3.5532	0.12104	0.27955	-1.0000
-112	5.8528	1.7543	0.059763	0.13802	-1.0000
-122	3.4675	1.0393	0.035407	0.081770	-1.0000
-127	3.5575	1.0663	0.036326	0.083894	-1.0000
-137	4.8028	1.4396	0.049041	0.11326	-1.0000
-142	4.7378	1.4201	0.048378	0.11173	-1.0000
-152	3.5525	1.0648	0.036275	0.083776	-1.0000
-157	3.5575	1.0663	0.036326	0.083894	-1.0000

>ADDITIONAL PRESSURE RATIOS , PAW NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5525	1.0648	0.036275	0.083776	-1.0000
-157	3.5575	1.0663	0.036326	0.083894	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5575	1.0663	0.036326	0.083894	-1.0000
-172	3.5525	1.0648	0.036275	0.083776	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3575	1.0063	0.034283	0.079175	-1.0000
-187	3.2724	0.98086	0.033419	0.077170	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.447	4.6148	0.16861	0.43803	0.43200
37	8.5032	2.5403	0.092812	0.24112	0.53000
47	9.9485	2.9721	0.10859	0.28210	0.62900
52	10.163	3.0363	0.11093	0.28820	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.693	3.4814	0.12720	0.33045	0.42200
67	12.098	3.6144	0.13205	0.34307	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	35.979	10.820	0.39330	1.0088	0.58400
82	11.283	3.3709	0.12316	0.31996	0.63500
92	3.5548	1.0620	0.038801	0.10080	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	11.083	3.3112	0.12098	0.31429	0.62400
112	5.5017	1.6436	0.060051	0.15601	0.83000
122	3.2394	0.96777	0.035358	0.091858	0.96000
127	3.5548	1.0620	0.038801	0.10080	1.0900
137	4.0053	1.1966	0.043718	0.11358	1.2200
142	4.0159	1.1998	0.043827	0.11386	1.3500

>ADDITIONAL PRESSURE RATIOS , SUBSONIC INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	11.083	3.3112	0.12098	0.31429	-1.0000
-112	5.5017	1.6436	0.060051	0.15601	-1.0000
-122	3.2394	0.96777	0.035358	0.091858	-1.0000
-127	3.5548	1.0620	0.038801	0.10080	-1.0000
-137	4.0053	1.1966	0.043718	0.11358	-1.0000
-142	4.0159	1.1998	0.043827	0.11386	-1.0000
-152	3.5548	1.0620	0.038801	0.10080	-1.0000
-157	3.5548	1.0620	0.038801	0.10080	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5548	1.0620	0.038801	0.10080	-1.0000
-157	3.5548	1.0620	0.038801	0.10080	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5548	1.0620	0.038801	0.10080	-1.0000
-172	3.5498	1.0605	0.038746	0.10066	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3646	1.0052	0.036724	0.095407	-1.0000
-187	3.2945	0.98422	0.035959	0.093420	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	17.238	5.1852	0.18826	0.43791	0.43200
37	9.4844	2.8528	0.10358	0.24094	0.53000
47	11.104	3.3399	0.12126	0.28207	0.62900
52	11.333	3.4090	0.12377	0.28791	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.047	3.9245	0.14249	0.33144	0.42200
67	12.098	3.6390	0.13212	0.30733	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	35.547	10.692	0.38821	0.90302	0.56400
82	11.293	3.3970	0.12334	0.28689	0.63500
92	3.5539	1.0690	0.038812	0.090280	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	11.099	3.3384	0.12121	0.28194	0.62400
112	5.9097	1.6573	0.060172	0.13997	0.83000
122	3.2387	0.97416	0.035369	0.082273	0.96000
127	3.9489	1.0679	0.038797	0.090253	1.0900
137	4.4594	1.3413	0.048700	0.11328	1.2200
142	4.4143	1.3278	0.048209	0.11214	1.3500

>ADDITIONAL PRESSURE RATIOS , BOATTAIL INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	11.099	3.3384	0.12121	0.28194	-1.0000
-112	5.9097	1.6573	0.060172	0.13997	-1.0000
-122	3.2387	0.97416	0.035369	0.082273	-1.0000
-127	3.9489	1.0679	0.038797	0.090253	-1.0000
-137	4.4594	1.3413	0.048700	0.11328	-1.0000
-142	4.4143	1.3278	0.048209	0.11214	-1.0000
-152	3.5439	1.0660	0.038702	0.090026	-1.0000
-157	3.9389	1.0649	0.038648	0.089899	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5439	1.0660	0.038702	0.090026	-1.0000
-157	3.9389	1.0649	0.038648	0.089899	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5389	1.0645	0.038648	0.089899	-1.0000
-172	3.5439	1.0660	0.038702	0.090026	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3587	1.0103	0.036681	0.085323	-1.0000
-187	3.2637	0.98169	0.035642	0.082908	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

NASA-LEWIS PRELIMINARY DATA 06/28/79 CADDELL REC 10/18/79 01:14:46.056 FAC 8X6X1 PGM C034 RUN 17 ROG 1225

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	19.329	5.8190	0.21239	0.43906	0.43200
37	10.597	3.1901	0.11644	0.24070	0.53000
47	12.406	3.7346	0.13631	0.28179	0.62900
52	12.675	3.8159	0.13928	0.28791	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.634	4.4056	0.16080	0.33240	0.42200
67	12.086	3.6384	0.13280	0.27452	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	35.391	10.652	0.38846	0.80298	0.56400
82	11.226	3.3796	0.12335	0.25500	0.63500
92	3.9912	1.0691	0.039021	0.080664	0.89200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	11.021	3.3179	0.12110	0.25035	0.62400
112	5.4722	1.6474	0.060128	0.12430	0.83000
122	3.2310	0.97267	0.035502	0.073390	0.96000
127	3.5362	1.0646	0.038866	0.080550	1.0900
137	4.9620	1.4938	0.054522	0.11271	1.2200
142	4.8820	1.4697	0.053643	0.11089	1.3900

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	11.021	3.3179	0.12110	0.25035	-1.0000
-112	5.4722	1.6474	0.060128	0.12490	-1.0000
-122	3.2310	0.97267	0.035502	0.073390	-1.0000
-127	3.5362	1.0646	0.038866	0.080550	-1.0000
-137	4.9620	1.4938	0.054522	0.11271	-1.0000
-142	4.8820	1.4697	0.053643	0.11089	-1.0000
-152	3.5362	1.0646	0.038856	0.080323	-1.0000
-157	3.5362	1.0646	0.038856	0.080323	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5362	1.0646	0.038856	0.080323	-1.0000
-157	3.5362	1.0646	0.038856	0.080323	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5412	1.0661	0.038911	0.080437	-1.0000
-172	3.5362	1.0646	0.038856	0.080323	-1.0000

>ADDITIONAL PRESSURE RATIOS , 60 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3611	1.0118	0.036931	0.076345	-1.0000
-187	3.2760	0.99622	0.035997	0.074413	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

RUN 19

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.894	4.1904	0.16901	0.43733	0.43200
37	7.6724	2.3140	0.093332	0.24151	0.53000
47	8.9721	2.7060	0.10914	0.28241	0.62900
52	9.1520	2.7603	0.11133	0.28808	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.736	3.2381	0.13060	0.33794	0.62200
67	12.015	3.6239	0.14616	0.37821	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	32.147	9.6958	0.39106	1.0119	0.56400
82	10.162	3.0648	0.12361	0.31985	0.63500
92	3.5467	1.0697	0.043144	0.11164	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	9.9616	3.0045	0.12118	0.31356	0.62400
112	4.9523	1.4936	0.060243	0.15588	0.83000
122	2.9113	0.87806	0.035414	0.091638	0.96000
127	3.5267	1.0637	0.042901	0.11101	1.0900
137	3.6217	1.0923	0.044057	0.11400	1.2200
142	3.6217	1.0923	0.044057	0.11400	1.3500

>ADDITIONAL PRESSURE RATIOS , CONVERGENT INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	9.9616	3.0045	0.12118	0.31356	-1.0000
-112	4.9523	1.4936	0.060243	0.15588	-1.0000
-122	2.9113	0.87806	0.035414	0.091638	-1.0000
-127	3.5267	1.0637	0.042901	0.11101	-1.0000
-137	3.6217	1.0923	0.044057	0.11400	-1.0000
-142	3.6217	1.0923	0.044057	0.11400	-1.0000
-152	3.5317	1.0652	0.042961	0.11117	-1.0000
-157	3.5267	1.0637	0.042901	0.11101	-1.0000

>ADDITIONAL PRESSURE RATIOS , PBW NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5317	1.0652	0.042961	0.11117	-1.0000
-157	3.5267	1.0637	0.042901	0.11101	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5317	1.0652	0.042961	0.11117	-1.0000
-172	3.5267	1.0637	0.042901	0.11101	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3366	1.0063	0.040588	0.10503	-1.0000
-187	3.2465	0.97918	0.039492	0.10219	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

Run 19

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.497	4.6681	0.18831	0.43879	0.43200
37	9.5197	2.5620	0.10379	0.24186	0.53000
47	9.9695	2.9980	0.12146	0.28302	0.62900
52	10.174	3.0596	0.12396	0.28884	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.779	3.5421	0.14350	0.33439	0.42200
67	11.964	3.5977	0.14576	0.33964	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	32.182	9.6718	0.39183	0.91303	0.96400
82	10.160	3.0551	0.12377	0.28841	0.63500
92	3.5477	1.0666	0.043221	0.10071	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	9.9346	2.9875	0.12103	0.28203	0.62400
112	4.9987	1.4912	0.060412	0.14077	0.83800
122	2.9071	0.87420	0.035417	0.082527	0.96000
127	3.5327	1.0623	0.043038	0.10029	1.0900
137	3.9930	1.2008	0.048647	0.11336	1.2200
142	3.9480	1.1872	0.048098	0.11208	1.3500

>ADDITIONAL PRESSURE RATIOS , SUBSONIC INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	9.9346	2.9875	0.12103	0.28203	-1.0000
-112	4.9987	1.4912	0.060412	0.14077	-1.0000
-122	2.9071	0.87420	0.035417	0.082527	-1.0000
-127	3.5327	1.0623	0.043038	0.10029	-1.0000
-137	3.9930	1.2008	0.048647	0.11336	-1.0000
-142	3.9480	1.1872	0.048098	0.11208	-1.0000
-152	3.5427	1.0653	0.043160	0.10057	-1.0000
-157	3.5377	1.0638	0.043099	0.10043	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5427	1.0653	0.043160	0.10057	-1.0000
-157	3.5377	1.0638	0.043099	0.10043	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5377	1.0638	0.043099	0.10043	-1.0000
-172	3.5427	1.0653	0.043160	0.10057	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3375	1.0036	0.040660	0.094746	-1.0000
-187	3.2474	0.97654	0.039563	0.092189	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

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NASA-LEWIS PRELIMINARY DATA 06/20/79 CADDEII REC 10/18/79 01:17:57.533 FAC 4X4XI PGM C034 RUN 19 RDG 1228

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.177	5.4439	0.21916	0.43916	0.43200
37	9.9857	2.9907	0.12039	0.24126	0.53000
47	11.665	3.4938	0.14066	0.28184	0.62900
52	11.935	3.5746	0.14389	0.28836	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.796	4.1314	0.16631	0.33328	0.42200
67	11.985	3.5896	0.14449	0.28957	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	32.388	9.6979	0.39038	0.78234	0.56400
82	10.221	3.0611	0.12322	0.24694	0.63500
92	3.5732	1.0702	0.043078	0.086330	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	10.046	3.0087	0.12111	0.24271	0.62400
112	4.9943	1.4958	0.060212	0.12067	0.83000
122	2.9325	0.87828	0.035354	0.070851	0.96000
127	3.5581	1.0657	0.042897	0.085967	1.0900
137	4.6491	1.3924	0.056050	0.11233	1.2200
142	4.5991	1.3774	0.055447	0.11112	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	10.046	3.0087	0.12111	0.24271	-1.0000
-112	4.9943	1.4958	0.060212	0.12067	-1.0000
-122	2.9325	0.87828	0.035354	0.070851	-1.0000
-127	3.5581	1.0657	0.042897	0.085967	-1.0000
-137	4.6491	1.3924	0.056050	0.11233	-1.0000
-142	4.5991	1.3774	0.055447	0.11112	-1.0000
-152	3.5581	1.0657	0.042897	0.085967	-1.0000
-157	3.5531	1.0642	0.042837	0.085847	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5581	1.0657	0.042897	0.085967	-1.0000
-157	3.5531	1.0642	0.042837	0.085847	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5581	1.0657	0.042897	0.085967	-1.0000
-172	3.5581	1.0657	0.042897	0.085967	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTP	PL/PTP	X/DMAX
-182	3.3780	1.0117	0.040725	0.081614	-1.0000
-187	3.2979	0.98772	0.039760	0.079679	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	12.657	3.7852	0.16859	0.43725	0.43200
37	6.9911	2.0908	0.093119	0.24152	0.53000
47	8.1816	2.4468	0.10898	0.28265	0.62900
52	8.3416	2.4947	0.11111	0.28817	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	9.6220	2.8776	0.12816	0.33240	0.62200
67	11.952	3.5744	0.15920	0.41290	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	29.921	8.8285	0.39321	1.0198	0.56400
82	9.2769	2.7744	0.12357	0.32048	0.63500
92	3.9631	1.0696	0.047480	0.12309	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	9.0969	2.7205	0.12117	0.31426	0.62400
112	4.5091	1.3485	0.060061	0.15577	0.83000
122	2.6569	0.79458	0.035389	0.091787	0.96000
127	3.5491	1.0596	0.047199	0.12240	1.0900
137	3.2928	0.98474	0.043859	0.11375	1.2200
142	3.2878	0.98324	0.043792	0.11358	1.3500

>ADDITIONAL PRESSURE RATIOS , BOATTAIL INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	9.0969	2.7205	0.12117	0.31426	-1.0000
-112	4.5091	1.3485	0.060061	0.15577	-1.0000
-122	2.6569	0.79458	0.035389	0.091787	-1.0000
-127	3.5491	1.0596	0.047199	0.12240	-1.0000
-137	3.2928	0.98474	0.043859	0.11375	-1.0000
-142	3.2878	0.98324	0.043792	0.11358	-1.0000
-152	3.5581	1.0641	0.047393	0.12292	-1.0000
-157	3.5581	1.0641	0.047393	0.12292	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.5581	1.0641	0.047393	0.12292	-1.0000
-157	3.5581	1.0641	0.047393	0.12292	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.5531	1.0626	0.047326	0.12275	-1.0000
-172	3.5581	1.0626	0.047326	0.12275	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.3578	1.0042	0.044726	0.11600	-1.0000
-187	3.2677	0.97725	0.043525	0.11289	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

NASA-LEWIS PRELIMINARY DATA 06/28/79 CADDEII REC 10/19/79 01:19:29.186 FAC 9XAXI PGM C034 RBG 1230

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.174	4.2412	0.18954	0.43748	0.43200
37	7.8202	2.3400	0.10458	0.24137	0.53000
47	9.1554	2.7395	0.12243	0.28258	0.62900
52	9.3404	2.7949	0.12491	0.28829	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.750	3.2167	0.14376	0.33180	0.42200
67	11.915	3.5652	0.15933	0.36775	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	29.435	8.8076	0.39363	0.90851	0.58400
82	9.2454	2.7664	0.12364	0.28536	0.63500
92	3.9678	1.0676	0.047711	0.11012	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	9.0554	2.7096	0.12110	0.27949	0.62400
112	4.4886	1.3431	0.060025	0.13854	0.83000
122	2.6468	0.79197	0.035396	0.081692	0.96000
127	3.5528	1.0631	0.047510	0.10966	1.0900
137	3.6629	1.0960	0.048983	0.11305	1.2200
142	3.6178	1.0825	0.048380	0.11166	1.3900

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	9.0554	2.7096	0.12110	0.27949	-1.0000
-112	4.4886	1.3431	0.060025	0.13854	-1.0000
-122	2.6468	0.79197	0.035396	0.081692	-1.0000
-127	3.5528	1.0631	0.047510	0.10966	-1.0000
-137	3.6629	1.0960	0.048983	0.11305	-1.0000
-142	3.6178	1.0825	0.048380	0.11166	-1.0000
-152	3.5528	1.0631	0.047510	0.10966	-1.0000
-157	3.5578	1.0646	0.047577	0.10981	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLRP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5528	1.0631	0.047510	0.10966	-1.0000
-157	3.5578	1.0646	0.047577	0.10981	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5578	1.0646	0.047577	0.10981	-1.0000
-172	3.5578	1.0646	0.047577	0.10981	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTP	PL/PTP	X/DMAX
-182	3.3526	1.0032	0.044833	0.10348	-1.0000
-187	9.2875	0.97770	0.043699	0.10085	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.218	4.8882	0.21811	0.43690	0.43200
37	8.9265	2.6905	0.12005	0.24048	0.53000
47	10.449	3.1495	0.14053	0.28149	0.62900
52	10.674	3.2172	0.14355	0.28755	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	12.271	3.6986	0.16503	0.33057	0.42200
67	11.862	3.5752	0.15953	0.31955	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	29.206	8.8018	0.39359	0.78840	0.56400
82	9.1811	2.7673	0.12348	0.24733	0.63500
92	9.9470	1.0891	0.047709	0.095553	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	8.9964	2.7116	0.12099	0.24236	0.62400
112	4.4614	1.3447	0.060001	0.12019	0.83000
122	2.6373	0.79492	0.035469	0.071048	0.96000
127	5.5370	1.0661	0.047568	0.095284	1.0900
137	4.1666	1.2559	0.056036	0.11225	1.2200
142	4.1208	1.2498	0.055499	0.11117	1.3900

>ADDITIONAL PRESSURE RATIOS , FORWARD EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	8.9964	2.7116	0.12099	0.24236	-1.0000
-112	4.4614	1.3447	0.060001	0.12019	-1.0000
-122	2.6373	0.79492	0.035469	0.071048	-1.0000
-127	5.5370	1.0661	0.047568	0.095284	-1.0000
-137	4.1666	1.2559	0.056036	0.11225	-1.0000
-142	4.1208	1.2498	0.055499	0.11117	-1.0000
-152	3.5320	1.0646	0.047501	0.095149	-1.0000
-157	3.5370	1.0661	0.047569	0.095284	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5320	1.0646	0.047501	0.095149	-1.0000
-157	3.5370	1.0661	0.047569	0.095284	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5320	1.0646	0.047501	0.095149	-1.0000
-172	3.5370	1.0661	0.047569	0.095284	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3421	1.0073	0.044947	0.090033	-1.0000
-187	3.2521	0.98021	0.043737	0.087610	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	11.131	3.3482	0.16846	0.43792	0.43200
37	6.1525	1.8507	0.093137	0.24207	0.53000
47	7.1935	2.1639	0.10889	0.28302	0.62900
52	7.3536	2.2120	0.11132	0.28932	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	8.4894	2.5537	0.12851	0.33401	0.42200
67	11.821	3.5558	0.17894	0.46508	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	26.439	7.9532	0.40026	1.0402	0.56400
82	8.1692	2.4574	0.12367	0.32141	0.63500
92	3.5493	1.0677	0.053729	0.13964	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	7.9991	2.4062	0.12109	0.31472	0.62400
112	3.9649	1.1927	0.060021	0.15600	0.83000
122	2.3473	0.70609	0.035534	0.092354	0.96000
127	3.5192	1.0586	0.053274	0.13846	1.0900
137	2.8983	0.87182	0.043874	0.11403	1.2200
142	2.8932	0.87032	0.043798	0.11383	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	7.9991	2.4062	0.12109	0.31472	-1.0000
-112	3.9649	1.1927	0.060021	0.15600	-1.0000
-122	2.3473	0.70609	0.035534	0.092356	-1.0000
-127	3.5192	1.0586	0.053274	0.13846	-1.0000
-137	2.8983	0.87182	0.043874	0.11403	-1.0000
-142	2.8932	0.87032	0.043798	0.11383	-1.0000
-152	3.5343	1.0631	0.053502	0.13905	-1.0000
-157	3.5393	1.0646	0.053578	0.13925	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5343	1.0631	0.053502	0.13905	-1.0000
-157	3.5393	1.0646	0.053578	0.13925	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5343	1.0631	0.053502	0.13905	-1.0000
-172	3.5393	1.0645	0.053578	0.13925	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3339	1.0029	0.050470	0.13117	-1.0000
-187	3.2488	0.97728	0.049181	0.12782	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

NASA-LEWIS PRELIMINARY DATA 06/28/79 CADDELL REC 10/18/79 01:22:21.681 FAC AX6X1 PGM C034 RUN 79 RDG 1233

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.600	3.8012	0.19046	0.43798	0.43200
37	6.9564	2.0986	0.10515	0.24180	0.53000
47	8.1465	2.4576	0.12314	0.28317	0.62900
52	8.3065	2.5059	0.12556	0.28873	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	9.6763	2.9192	0.14626	0.33635	0.42200
67	11.781	3.5540	0.17807	0.40949	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	26.494	7.9908	0.39987	0.91955	0.56400
82	8.1715	2.4652	0.12352	0.28404	0.63500
92	3.5366	1.0663	0.053427	0.12286	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	8.0065	2.4154	0.12102	0.27830	0.62400
112	3.9700	1.1977	0.060008	0.13799	0.83000
122	2.3484	0.70848	0.035498	0.081631	0.96000
127	3.9148	1.0609	0.059124	0.12217	1.0900
137	3.2443	0.97876	0.049040	0.11277	1.2200
142	3.2143	0.96970	0.048586	0.11173	1.3900

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	8.0065	2.4154	0.12102	0.27830	-1.0000
-112	3.9700	1.1977	0.060008	0.13799	-1.0000
-122	2.3484	0.70848	0.035498	0.081631	-1.0000
-127	3.9148	1.0609	0.059124	0.12217	-1.0000
-137	3.2443	0.97876	0.049040	0.11277	-1.0000
-142	3.2143	0.96970	0.048586	0.11173	-1.0000
-152	3.5296	1.0648	0.053351	0.12269	-1.0000
-157	3.5246	1.0633	0.053276	0.12251	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5296	1.0648	0.053351	0.12269	-1.0000
-157	3.5246	1.0633	0.053276	0.12251	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5246	1.0633	0.053276	0.12251	-1.0000
-172	3.5246	1.0633	0.053276	0.12251	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3244	1.0029	0.050250	0.11556	-1.0000
-187	3.2343	0.97574	0.048848	0.11247	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

RUN 79

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.507	4.3736	0.21882	0.43755	0.43200
37	8.3015	2.4124	0.12070	0.24134	0.53000
47	9.3609	2.8222	0.14120	0.28234	0.62900
52	9.5508	2.8795	0.14407	0.28807	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.940	3.2983	0.16502	0.32997	0.42200
67	11.764	3.5468	0.17746	0.35483	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	26.488	7.9857	0.39955	0.79891	0.56400
82	8.1815	2.4666	0.12341	0.24677	0.63500
92	3.5413	1.0676	0.053418	0.10681	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	8.0265	2.4199	0.12107	0.24209	0.62400
112	3.9765	1.1989	0.059982	0.11994	0.83000
122	2.3555	0.71017	0.035532	0.071047	0.96000
127	3.5313	1.0646	0.053267	0.10651	1.0900
137	3.7214	1.1219	0.056134	0.11224	1.2200
142	3.6813	1.1099	0.055530	0.11104	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	8.0265	2.4199	0.12107	0.24209	-1.0000
-112	3.9765	1.1989	0.059982	0.11994	-1.0000
-122	2.3555	0.71017	0.035532	0.071047	-1.0000
-127	3.5313	1.0646	0.053267	0.10651	-1.0000
-137	3.7214	1.1219	0.056134	0.11224	-1.0000
-142	3.6813	1.1099	0.055530	0.11104	-1.0000
-152	3.5313	1.0646	0.053267	0.10651	-1.0000
-157	3.5313	1.0646	0.053267	0.10651	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5313	1.0646	0.053267	0.10651	-1.0000
-157	3.5313	1.0646	0.053267	0.10651	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5363	1.0661	0.053342	0.10666	-1.0000
-172	3.5313	1.0646	0.053267	0.10651	-1.0000

>ADDITIONAL PRESSURE RATIOS , 60 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3462	1.0088	0.050475	0.10093	-1.0000
-187	3.2611	0.99319	0.049192	0.098361	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

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RUN 79

NASA-LEWIS PRELIMINARY DATA 06/28/79 CADDFII REC 10/18/79 01:24:38.484 FAC 8X6X1 PGM C034 RNG 1235

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	11.257	3.3684	0.16882	0.43676	0.43200
37	6.2379	1.8663	0.093537	0.24199	0.53000
47	7.2874	2.1806	0.10929	0.28274	0.62900
52	7.4424	2.2269	0.11161	0.28876	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	8.5725	2.5651	0.12856	0.33260	0.42200
67	11.727	3.5090	0.17587	0.45499	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	26.877	7.9824	0.40008	1.0350	0.96400
82	8.2425	2.4664	0.12361	0.31980	0.63500
92	5.9692	1.7864	0.089568	0.23033	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	8.0825	2.4185	0.12121	0.31359	0.62400
112	5.9956	1.1956	0.059925	0.15503	0.83000
122	2.3690	0.70885	0.035528	0.091913	0.96000
127	5.9392	1.0578	0.053018	0.13716	1.0900
137	2.9446	0.88110	0.044161	0.11425	1.2200
142	2.9298	0.87681	0.043939	0.11367	1.3900

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	8.0825	2.4185	0.12121	0.31359	-1.0000
-112	5.9956	1.1956	0.059925	0.15503	-1.0000
-122	2.3690	0.70885	0.035528	0.091913	-1.0000
-127	5.5392	1.0578	0.053018	0.13716	-1.0000
-137	2.9446	0.88110	0.044161	0.11425	-1.0000
-142	2.9298	0.87681	0.043939	0.11367	-1.0000
-152	3.5602	1.0653	0.053393	0.13813	-1.0000
-157	3.5552	1.0638	0.053318	0.13794	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5602	1.0653	0.053393	0.13813	-1.0000
-157	3.5552	1.0638	0.053318	0.13794	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5552	1.0638	0.053318	0.13794	-1.0000
-172	3.5552	1.0638	0.053318	0.13794	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.3600	1.0054	0.050391	0.13037	-1.0000
-187	3.2600	0.97546	0.048890	0.12648	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

NASA-LEWIS PRELIMINARY DATA CADDE-II FACILITY BREY1 PROGRAM C034 PDGS 1236 TO 1277
TIME AND DATE PROCESSED 04:08:35 JUN 11 1979

RUN 20

NOZZLE TYPE — P&W EJECTOR NOZZLE (MODEL A)
FLIGHT CONDITIONS — SUPER SONIC CRUISE (WS=.02 WT)
NOZZLE CONFIGURATION — A1
PRIMARY-NOZZLE PLUG — SPLIT PLUG (RETRACTED)
FLOW SPLITTER — CONICAL SPLITTER
FAN NOZZLE — IRIS
CLAMSHELL POSITION
EJECTOR INLET OPENING

PDC	MD	PTF/PTP	PTF/PO	PTP/PO	OMEGA	PTS/PTF	EDF	EDP	CFI	ETAI	ETAI,INT	CFPI	CFP2	F9
1236	0.938	2.30	18.85	8.21	0.000	0.158	0.992	0.985	0.9805	0.9805	0.9816	0.9816	0.9871	1.4786
1237	0.930	2.30	*****	*****	0.000	0.157	0.995	0.988	0.9125	0.9125	0.9125	0.9125	0.9120	1.4814
1238	1.953	2.41	19.84	8.60	0.000	0.158	0.991	0.987	0.9704	0.9704	0.9736	0.9736	0.9741	1.4842
1239	1.952	2.31	22.78	9.62	0.000	0.157	0.994	0.992	0.9756	0.9756	0.9784	0.9784	0.9789	1.4894
1240	1.954	2.32	25.15	10.84	0.000	0.155	0.993	0.990	0.9823	0.9823	0.9847	0.9847	0.9852	1.4928
1241	1.954	2.32	27.76	11.96	0.000	0.155	0.994	0.990	0.9841	0.9841	0.9863	0.9863	0.9867	1.4944
1242	1.956	2.31	29.18	12.66	0.000	0.158	0.994	0.995	0.9789	0.9789	0.9910	0.9810	0.9814	1.4889
1243	1.954	2.32	29.24	12.62	0.000	0.159	0.993	0.993	0.9838	0.9839	0.9860	0.9860	0.9864	1.4929
1244	1.952	2.33	27.65	11.89	0.000	0.159	0.995	0.990	0.9821	0.9821	0.9843	0.9843	0.9847	1.4922
1245	1.953	2.33	25.08	10.76	0.000	0.158	0.992	0.989	0.9800	0.9800	0.9824	0.9824	0.9829	1.4892
1246	1.954	2.30	22.35	9.71	0.000	0.159	0.993	0.989	0.9790	0.9780	0.9807	0.9807	0.9812	1.4905
1247	1.953	2.31	19.73	8.66	0.000	0.159	0.991	0.987	0.9731	0.9731	0.9803	0.9803	0.9808	1.4791
1248	1.954	1.99	19.88	9.98	0.018	0.159	0.962	0.990	0.9934	0.9809	0.9839	0.9839	0.9975	1.4875
1249	1.953	2.30	19.98	8.69	0.019	0.159	0.961	0.988	0.9997	0.9856	0.9888	1.0029	1.0034	1.4969
1250	1.954	2.58	19.84	7.68	0.020	0.159	0.960	0.987	0.9971	0.9824	0.9859	1.0006	1.0011	1.4979
1251	1.955	2.01	22.44	11.15	0.018	0.159	0.963	0.991	0.9975	0.9840	0.9867	1.0032	1.0037	1.4897
1252	1.954	2.32	22.39	9.66	0.020	0.160	0.961	0.989	0.9986	0.9844	0.9872	1.0017	1.0022	1.4913
1253	1.953	2.58	22.43	8.69	0.020	0.160	0.960	0.989	0.9990	0.9839	0.9869	1.0020	1.0025	1.4936
1254	1.954	2.01	24.79	12.33	0.018	0.160	0.962	0.990	1.0015	0.9877	0.9900	1.0039	1.0044	1.4905
1255	1.955	2.34	24.86	10.64	0.020	0.159	0.962	0.991	1.0016	0.9868	0.9893	1.0041	1.0046	1.4942
1256	1.954	2.58	24.97	9.66	0.020	0.159	0.962	0.989	1.0023	0.9869	0.9895	1.0050	1.0054	1.4952
1257	1.954	2.07	27.19	13.15	0.019	0.159	0.964	0.994	1.0003	0.9862	0.9883	1.0025	1.0030	1.4915
1258	1.955	2.32	27.38	11.80	0.019	0.159	0.964	0.992	1.0015	0.9865	0.9888	1.0038	1.0043	1.4932
1259	1.954	2.59	27.59	10.61	0.020	0.159	0.963	0.991	1.0047	0.9889	0.9913	1.0071	1.0075	1.4983
1260	1.954	2.22	29.34	13.24	0.019	0.159	0.962	0.993	0.9997	0.9849	0.9869	1.0018	1.0022	1.4891
1261	1.954	2.33	29.27	12.62	0.020	0.159	0.963	0.990	1.0036	0.9885	0.9906	1.0058	1.0062	1.4941
1262	1.954	2.60	29.15	11.23	0.023	0.160	0.962	0.991	1.0060	0.9900	0.9922	1.0082	1.0086	1.4983
1263	1.953	2.60	29.25	11.24	0.020	0.159	0.964	0.991	1.0056	0.9896	0.9918	1.0078	1.0082	1.4995
1264	1.954	2.32	29.33	12.66	0.020	0.159	0.962	0.990	1.0049	0.9897	0.9918	1.0070	1.0074	1.4947
1265	1.954	2.60	27.51	10.59	0.020	0.159	0.961	0.989	1.0061	0.9903	0.9926	1.0085	1.0089	1.4975
1266	1.954	2.33	27.36	11.77	0.020	0.159	0.961	0.991	1.0020	0.9869	0.9892	1.0042	1.0047	1.4913
1267	1.954	2.08	27.38	13.16	0.019	0.159	0.961	0.991	1.0034	0.9896	0.9917	1.0061	1.0065	1.4974
1268	1.956	2.59	24.78	9.57	0.020	0.159	0.961	0.989	1.0044	0.9889	0.9916	1.0070	1.0075	1.4978
1269	1.954	2.33	24.80	10.65	0.020	0.159	0.962	0.990	1.0030	0.9882	0.9908	1.0056	1.0061	1.4967
1270	1.954	2.01	24.82	12.37	0.018	0.159	0.962	0.990	1.0022	0.9883	0.9907	1.0045	1.0050	1.4913
1271	1.953	2.59	22.38	9.64	0.020	0.159	0.960	0.989	0.9991	0.9839	0.9869	1.0021	1.0026	1.4949
1272	1.953	2.32	22.33	9.64	0.020	0.159	0.961	0.990	1.0014	0.9870	0.9899	1.0043	1.0048	1.4951
1273	1.954	2.31	22.43	11.14	0.018	0.160	0.960	0.989	1.0012	0.9876	0.9903	1.0039	1.0044	1.4911

NASA-LEWIS PRELIMINARY DATA CADDE-II FACILITY 8X6X1 PROGRAM C034 PAGS 1236 TO 1277 RUN 20 CONT.
TIME AND DATE PROCESSED 04:08:39 JUN 11 1979

NOZZLE TYPE	P&W EJECTOR NOZZLE (MODEL A)
FLIGHT CONDITIONS	SUPER SONIC CRUISE (WS=.02 WT)
NOZZLE CONFIGURATION	A1
PRIMARY-NOZZLE PLUG	SPLIT PLUG (RETRACTED)
FLOW SPLITTER	CONICAL SPLITTER
FAN NOZZLE	IRIS
CLAMSHELL POSITION	
EJECTOR INLET OPENING	

PDG	MD	PTE/PTP	PTE/PD	PTP/PD	OMEGA	PTS/PTE	CDF	CDP	CF1	ETA1	ETA1,INT	CFP1	CFP2	F9
1274	1.953	2.58	19.86	7.69	0.020	0.159	0.959	0.989	0.9943	0.9796	0.9830	0.9977	0.9982	1.4934
1275	1.954	2.33	19.03	8.65	0.020	0.159	0.960	0.989	1.0004	0.9863	0.9896	1.0036	1.0042	1.4979
1276	1.954	2.00	19.88	9.95	0.019	0.160	0.960	0.989	0.9990	0.9858	0.9889	1.0020	1.0026	1.4922
1277	1.954	2.59	27.48	10.61	0.020	0.160	0.963	0.990	1.0021	0.9863	0.9897	1.0045	1.0049	1.4962

RUN 20

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	14.526	4.3645	0.21559	0.43730	0.43200
37	8.0087	2.4362	0.12107	0.24139	0.53000
47	9.3636	2.8133	0.14155	0.28188	0.62900
52	9.5796	2.8779	0.14480	0.28835	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	10.993	3.3029	0.16619	0.33094	0.42200
67	11.348	3.4096	0.17155	0.34162	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	26.612	7.9956	0.40229	0.80113	0.56400
82	8.1537	2.4498	0.12326	0.24546	0.63500
92	3.5467	1.0656	0.053614	0.10677	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	6.8085	2.0456	0.10292	0.20494	0.62400
112	3.9170	1.1769	0.059212	0.11792	0.83000
122	2.2904	0.68815	0.034623	0.068950	0.96000
127	3.5366	1.0506	0.053311	0.10617	1.0900
137	3.6467	1.0957	0.055127	0.10978	1.2200
142	3.6067	1.0836	0.054522	0.10858	1.3500

>ADDITIONAL PRESSURE RATIOS , FORESHOW INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	6.8085	2.0456	0.10292	0.20494	-1.0000
-112	3.9170	1.1769	0.059212	0.11792	-1.0000
-122	2.2904	0.68815	0.034623	0.068950	-1.0000
-127	3.5366	1.0506	0.053311	0.10617	-1.0000
-137	3.6467	1.0957	0.055127	0.10978	-1.0000
-142	3.6067	1.0836	0.054522	0.10858	-1.0000
-152	3.5316	1.0611	0.053387	0.10632	-1.0000
-157	3.5417	1.0641	0.053538	0.10662	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5316	1.0611	0.053387	0.10632	-1.0000
-157	3.5417	1.0641	0.053538	0.10662	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SIMOUN LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5417	1.0641	0.053538	0.10662	-1.0000
-172	3.5417	1.0641	0.053538	0.10662	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SIMOUN LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.2414	0.97388	0.048999	0.097579	-1.0000
-187	3.1943	0.96335	0.048718	0.096229	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Run 20

>***-LEWIS PRELIMINARY DATA 06/11/79 CADDELL REC 10/18/75 04:19:19.785 FAC RX6X1 PGM C934 RDG 1249

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
[illegible]	12.675	3.7991	0.19011	0.43774	0.43200
37	6.9369	2.0973	0.10495	0.24143	0.53000
47	9.1968	2.4569	0.12354	0.28287	0.62600
52	8.3668	2.5079	0.12569	0.28870	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	9.6364	2.8894	0.14454	0.33251	0.42200
67	11.331	3.3962	0.16995	0.39096	0.65200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	26.791	8.0374	0.40185	0.92405	0.57400
82	8.2118	2.4614	0.12317	0.28335	0.63500
92	3.5507	1.0643	0.053408	0.12284	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	6.8669	2.0583	0.10300	0.23694	0.62400
112	3.9510	1.1843	0.059261	0.13633	0.83000
122	2.3147	0.69382	0.034719	0.079870	0.96900
127	3.5357	1.0598	0.053032	0.12200	1.0900
137	3.3106	0.99231	0.049655	0.11423	1.2700
142	3.1735	0.95032	0.047554	0.10940	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	6.8669	2.0583	0.10300	0.23694	-1.0000
-112	3.9510	1.1843	0.059261	0.13633	-1.0000
-122	2.3147	0.69382	0.034719	0.079870	-1.0000
-127	3.5357	1.0598	0.053032	0.12200	-1.0000
-137	3.3106	0.99231	0.049655	0.11423	-1.0000
-142	3.1735	0.95032	0.047554	0.10940	-1.0000
-152	3.5457	1.0628	0.053182	0.12235	-1.0000
-157	3.5507	1.0643	0.053257	0.12252	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.5457	1.0628	0.053182	0.12235	-1.0000
-157	3.5507	1.0643	0.053257	0.12252	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SWITCH LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-157	3.5507	1.0643	0.053257	0.12252	-1.0000
-172	3.5507	1.0643	0.053257	0.12252	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SWITCH LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.2535	0.97431	0.048755	0.11216	-1.0000
-162	3.2355	0.96882	0.048479	0.11161	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	11.241	3.3533	0.16536	0.43642	0.43200
37	9.2130	1.9549	0.097518	0.24142	0.53000
42	7.2228	2.1664	0.10938	0.28227	0.62900
47	7.4328	2.2173	0.11179	0.28858	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	8.5573	2.5528	0.12870	0.33224	0.42200
67	11.276	3.3637	0.16959	0.43778	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	26.733	7.9719	0.40191	1.0375	0.56400
82	8.1775	2.4395	0.12259	0.31749	0.63500
87	3.5675	1.0643	0.053656	0.13851	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	6.8379	2.0399	0.10284	0.26548	0.62400
112	3.9327	1.1732	0.059148	0.15269	0.83000
122	2.2918	0.68369	0.034469	0.088980	0.96000
127	3.5675	1.0553	0.053204	0.13735	1.0900
132	3.0323	0.89563	0.045154	0.11656	1.2200
142	2.8672	0.85533	0.043122	0.11132	1.3500

>ADDITIONAL PRESSURE RATIOS , EXHAUST INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	6.8379	2.0399	0.10284	0.26548	-1.0000
-112	3.9327	1.1732	0.059148	0.15269	-1.0000
-122	2.2918	0.68369	0.034469	0.088980	-1.0000
-127	3.5675	1.0553	0.053204	0.13735	-1.0000
-132	3.0323	0.89563	0.045154	0.11656	-1.0000
-142	2.8672	0.85533	0.043122	0.11132	-1.0000
-152	3.5575	1.0613	0.053505	0.13812	-1.0000
-157	3.5575	1.0613	0.053505	0.13812	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5575	1.0613	0.053505	0.13812	-1.0000
-157	3.5575	1.0613	0.053505	0.13812	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SIMUND LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5575	1.0598	0.053433	0.13793	-1.0000
-172	3.5675	1.0613	0.053505	0.13812	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG STATION LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.2474	0.96876	0.048841	0.12608	-1.0000
-187	3.2974	0.95683	0.048239	0.12453	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.293	4.8674	0.21693	0.43662	0.43200
57	9.9730	2.6822	0.11954	0.24060	0.53000
47	10.512	3.1405	0.13997	0.28171	0.62900
52	10.727	3.2047	0.14283	0.28747	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	12.336	3.6854	0.16425	0.33059	0.42200
67	11.252	3.3615	0.14981	0.30153	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	30.145	9.0058	0.40137	0.80784	0.56400
82	9.2779	2.7717	0.12353	0.24863	0.63500
87	3.5773	1.0687	0.047630	0.095865	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	7.7483	2.3148	0.10316	0.20764	0.62400
112	4.4728	1.3362	0.059553	0.11986	0.83000
122	2.6216	0.78319	0.034905	0.070254	0.96000
127	3.5473	1.0657	0.047497	0.095597	1.0900
137	4.1126	1.2286	0.054757	0.11021	1.2200
142	4.0676	1.2137	0.054091	0.10887	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	7.7483	2.3148	0.10316	0.20764	-1.0000
-112	4.4728	1.3362	0.059553	0.11986	-1.0000
-122	2.6216	0.78319	0.034905	0.070254	-1.0000
-127	3.5673	1.0657	0.047497	0.095597	-1.0000
-137	4.1126	1.2286	0.054757	0.11021	-1.0000
-142	4.0676	1.2137	0.054091	0.10887	-1.0000
-152	3.5723	1.0672	0.047563	0.095731	-1.0000
-157	3.5673	1.0657	0.047497	0.095597	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5723	1.0672	0.047563	0.095731	-1.0000
-157	3.5673	1.0657	0.047497	0.095597	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SPLITTER LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-162	3.5723	1.0672	0.047563	0.095731	-1.0000
-172	3.5773	1.0687	0.047633	0.095865	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SPLITTER LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.2571	0.97155	0.043390	0.087150	-1.0000
-187	3.2123	0.95850	0.042767	0.086077	-1.0000

>STATION 5 , MEASURED THRUST PARAMETERS

RUN 20

NASA-LEWIS PRELIMINARY DATA 07/11/79 CADDELL REF 10/18/79 04:21:35.966 FAC 8X6X1 PGM C034 PAG 1252

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	14.239	4.2283	0.18888	0.43779	0.43200
37	7.9378	2.3324	0.10419	0.24150	0.53000
47	9.1773	2.7211	0.12209	0.28277	0.62900
52	9.3632	2.7861	0.12445	0.28847	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	10.771	3.2054	0.14319	0.33189	0.42200
67	11.231	3.3422	0.14930	0.34605	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	30.162	8.9729	0.40082	0.92905	0.56400
82	9.2923	2.7653	0.12352	0.28632	0.63500
87	3.5876	1.0676	0.047688	0.11053	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	7.7678	2.3116	0.10326	0.23934	0.62400
112	4.4778	1.3325	0.059524	0.13797	0.83000
122	2.6169	0.77872	0.034785	0.080628	0.96000
127	3.5674	1.0616	0.047422	0.10992	1.0900
132	3.7274	1.1092	0.049550	0.11485	1.2200
142	3.5624	1.0601	0.047355	0.10976	1.3500

>ADDITIONAL PRESSURE RATIOS , EXPANSION INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	7.7678	2.3116	0.10326	0.23934	-1.0000
-112	4.4778	1.3325	0.059524	0.13797	-1.0000
-122	2.6169	0.77872	0.034785	0.080628	-1.0000
-127	3.5674	1.0616	0.047422	0.10992	-1.0000
-132	3.7274	1.1092	0.049550	0.11485	-1.0000
-142	3.5624	1.0601	0.047355	0.10976	-1.0000
-152	3.5774	1.0646	0.047555	0.11023	-1.0000
-157	3.5774	1.0646	0.047555	0.11023	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.5774	1.0646	0.047555	0.11023	-1.0000
-157	3.5774	1.0646	0.047555	0.11023	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5674	1.0616	0.047422	0.10992	-1.0000
-172	3.5774	1.0646	0.047555	0.11023	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.2672	0.97228	0.043431	0.10067	-1.0000
-187	3.3372	0.99308	0.042833	0.099282	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

RUN 20

NASA-LEWIS PRELIMINARY DATA 04/11/79 CADDELL REC 10/18/79 04:22:18.477 FAC AY6X1 PGM C034 PDG 1253

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	12.[illegible]	[illegible]	0.16364	0.43713	0.43200
37	[illegible]	[illegible]	[illegible]	0.24172	0.53000
47	8.1039	2.4583	0.10971	0.29273	0.62900
52	9.3379	2.5374	0.11192	0.29836	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	9.6219	2.9867	0.12985	0.33209	0.62200
67	11.165	3.3697	0.14951	0.38526	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	29.919	8.9732	0.40052	1.0320	0.96400
82	9.2172	2.7653	0.12343	0.31804	0.63500
92	3.5503	1.0678	0.047662	0.12291	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	7.6933	2.3051	0.10289	0.26511	0.62400
112	4.4343	1.3303	0.059380	0.15301	0.83000
122	2.5940	0.77522	0.034602	0.089161	0.96000
127	3.5293	1.0588	0.047269	0.12178	1.0900
137	3.3742	1.0123	0.045186	0.11643	1.2200
142	3.7342	0.97029	0.043309	0.11160	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	7.6933	2.3051	0.10289	0.26511	-1.0000
-112	4.4343	1.3303	0.059380	0.15301	-1.0000
-122	2.5940	0.77522	0.034602	0.089161	-1.0000
-127	3.5293	1.0588	0.047269	0.12178	-1.0000
-137	3.3742	1.0123	0.045186	0.11643	-1.0000
-142	3.7342	0.97029	0.043309	0.11160	-1.0000
-152	3.5443	1.0633	0.047461	0.12230	-1.0000
-157	3.5443	1.0633	0.047461	0.12230	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAR NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5443	1.0633	0.047461	0.12230	-1.0000
-157	3.5443	1.0633	0.047461	0.12230	-1.0000

>ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5443	1.0633	0.047461	0.12230	-1.0000
-172	3.5493	1.0648	0.047528	0.12247	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-177	3.2202	0.96579	0.043242	0.11142	-1.0000
-182	3.1942	0.95529	0.042639	0.10987	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD MODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	17.414	5.3944	0.21720	0.43670	0.43200
37	9.8446	2.9501	0.11937	0.23595	0.53000
47	11.538	3.4480	0.13993	0.28127	0.62900
52	11.782	3.5416	0.14286	0.28723	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD MODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	13.555	4.0744	0.16436	0.33045	0.42200
67	11.153	3.3524	0.13523	0.27189	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD MODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	32.839	9.8708	0.39818	0.80055	0.56400
82	10.179	3.0597	0.12343	0.24815	0.63500
92	3.5677	1.0724	0.043257	0.086929	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD MODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	8.4958	2.5537	0.10301	0.20711	0.62400
112	4.9176	1.4781	0.059606	0.11984	0.83000
122	2.8626	0.86043	0.034709	0.069784	0.96000
127	3.5427	1.0649	0.042955	0.086364	1.0600
137	4.5277	1.3609	0.054899	0.11038	1.2200
142	4.4677	1.3429	0.054171	0.10891	1.3500

>ADDITIONAL PRESSURE RATIOS , REVERSE INLET

AVD MODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	8.4958	2.5537	0.10301	0.20711	-1.0000
-112	4.9176	1.4781	0.059606	0.11984	-1.0000
-122	2.8626	0.86043	0.034709	0.069784	-1.0000
-127	3.5427	1.0649	0.042955	0.086364	-1.0000
-137	4.5277	1.3609	0.054899	0.11038	-1.0000
-142	4.4677	1.3429	0.054171	0.10891	-1.0000
-152	3.5427	1.0649	0.042955	0.086364	-1.0000
-157	3.5427	1.0649	0.042955	0.086364	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXAT

AVD MODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-157	3.5427	1.0649	0.042955	0.086364	-1.0000
-157	3.5427	1.0649	0.042955	0.086364	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SIMPLE INCIDENCE

AVD MODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5427	1.0649	0.042955	0.086364	-1.0000
-172	3.5477	1.0664	0.043016	0.086485	-1.0000

>ADDITIONAL PRESSURE RATIOS , NO DEG SIMPLE INCIDENCE

AVD MODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.2326	0.97166	0.039196	0.078805	-1.0000
-187	3.1896	0.95864	0.038711	0.077830	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Run 20

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	15.462	4.6569	0.18734	0.43777	0.43200
37	8.5367	2.5622	0.10307	0.24085	0.53000
47	9.9461	2.9957	0.12051	0.28161	0.62900
52	10.176	3.0650	0.12330	0.28812	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	11.695	3.5225	0.14170	0.33112	0.42230
67	11.130	3.3524	0.13486	0.31514	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	32.777	9.8721	0.39719	0.92831	0.56400
82	10.161	3.0604	0.12311	0.28769	0.63500
92	3.5413	1.0666	0.042907	0.10026	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	8.4918	2.5577	0.10289	0.24043	0.62400
112	4.9019	1.4764	0.059393	0.13879	0.83000
122	2.8458	0.85714	0.034481	0.080574	0.96000
127	3.5263	1.0621	0.042725	0.099840	1.0900
137	4.0415	1.2173	0.048969	0.11443	1.2200
142	3.8664	1.1645	0.046847	0.10947	1.3500

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	8.4918	2.5577	0.10289	0.24043	-1.0000
-112	4.9019	1.4764	0.059393	0.13879	-1.0000
-122	2.8458	0.85714	0.034481	0.080574	-1.0000
-127	3.5263	1.0621	0.042725	0.099840	-1.0000
-137	4.0415	1.2173	0.048969	0.11443	-1.0000
-142	3.8664	1.1645	0.046847	0.10947	-1.0000
-152	3.5263	1.0621	0.042725	0.099840	-1.0000
-157	3.5363	1.0651	0.042847	0.10012	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.5263	1.0621	0.042725	0.099840	-1.0000
-157	3.5363	1.0651	0.042847	0.10012	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.5363	1.0651	0.042847	0.10012	-1.0000
-172	3.5313	1.0636	0.042786	0.099982	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.2461	0.97770	0.039331	0.091907	-1.0000
-187	3.2841	0.98965	0.039846	0.093074	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

RUN 20

NASA-LEWIS PRELIMINARY DATA 06/11/79 CADDETT REC 10/18/79 04:24:37.625 FAC AY6X1 PGM C034 RDG 1256

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	14.014	4.2171	0.16891	0.43663	0.43700
37	7.7300	2.3261	0.093171	0.24084	0.53000
47	9.0342	2.7196	0.10889	0.28147	0.62900
52	9.2390	2.7802	0.11136	0.28786	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	10.623	3.1967	0.12804	0.33097	0.42200
67	11.137	3.3515	0.13424	0.34700	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	32.871	9.8917	0.39620	1.0242	0.56400
82	10.703	3.0704	0.12298	0.31790	0.63500
92	3.8537	1.0685	0.042797	0.11065	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	8.5595	2.5757	0.10317	0.26668	0.62400
112	4.0308	1.4838	0.059432	0.15363	0.83000
122	2.8704	0.86378	0.034598	0.089433	0.96000
127	3.5257	1.0609	0.042495	0.10985	1.0900
137	3.7357	1.1242	0.045027	0.11639	1.2200
142	3.5907	1.0805	0.043279	0.11187	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	8.5595	2.5757	0.10317	0.26668	-1.0000
-112	4.0308	1.4838	0.059432	0.15363	-1.0000
-122	2.8704	0.86378	0.034598	0.089433	-1.0000
-127	3.5257	1.0609	0.042495	0.10985	-1.0000
-137	3.7357	1.1242	0.045027	0.11639	-1.0000
-142	3.5907	1.0805	0.043279	0.11187	-1.0000
-152	3.5357	1.0640	0.042616	0.11016	-1.0000
-157	3.5357	1.0640	0.042616	0.11016	-1.0000

>ADDITIONAL PRESSURE RATIOS , AFT MOVING FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5357	1.0640	0.042616	0.11016	-1.0000
-157	3.5357	1.0640	0.042616	0.11016	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SIMPLIN LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5407	1.0655	0.042676	0.11031	-1.0000
-172	3.5407	1.0655	0.042676	0.11031	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SIMPLIN LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.2656	0.98260	0.039361	0.10174	-1.0000
-187	3.2236	0.96614	0.038818	0.10034	-1.0000

SECTION 5 , MEASURED FLOW PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	19.196	5.7550	0.21162	0.43753	0.43200
37	10.551	3.1648	0.11638	0.24061	0.53000
47	12.354	3.7057	0.13627	0.28173	0.62900
52	12.619	3.7851	0.13919	0.28777	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	14.517	4.3546	0.16012	0.33105	0.42200
67	11.145	3.3431	0.12293	0.25416	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	35.734	10.718	0.39414	0.81489	0.56400
82	11.180	3.3536	0.12332	0.25496	0.63500
92	3.5623	1.0685	0.039292	0.081237	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	9.3516	2.8050	0.10315	0.21326	0.62400
112	5.4027	1.6206	0.059592	0.12321	0.83900
122	3.1421	0.94249	0.034658	0.071654	0.96000
127	3.5573	1.0670	0.039237	0.081123	1.0900
137	4.0627	1.4586	0.053635	0.11089	1.2200
142	4.7827	1.4346	0.052753	0.10907	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	9.351	2.8050	0.10315	0.21326	-1.0000
-112	5.4027	1.6206	0.059592	0.12321	-1.0000
-122	3.1421	0.94249	0.034658	0.071654	-1.0000
-127	3.5573	1.0670	0.039237	0.081123	-1.0000
-137	4.0627	1.4586	0.053635	0.11089	-1.0000
-142	4.7827	1.4346	0.052753	0.10907	-1.0000
-152	3.5623	1.0685	0.039292	0.081237	-1.0000
-157	3.5573	1.0670	0.039237	0.081123	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5623	1.0685	0.039292	0.081237	-1.0000
-157	3.5573	1.0670	0.039237	0.081123	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5523	1.0655	0.039182	0.081009	-1.0000
-172	3.5523	1.0655	0.039182	0.081009	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.2472	0.97400	0.035816	0.074050	-1.0000
-187	3.2372	0.96200	0.035375	0.073137	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	17.279	5.1539	0.18821	0.43693	0.43200
37	9.5038	2.8349	0.10353	0.24034	0.53000
47	11.132	3.3206	0.12126	0.28151	0.62500
52	11.362	3.3891	0.12376	0.28732	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	13.314	3.9721	0.14177	0.32912	1.47200
67	11.382	3.3957	0.12077	0.28025	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	36.065	10.758	0.38386	0.89204	0.56400
82	11.317	3.3757	0.12327	0.28619	0.63500
92	3.5821	1.0685	0.038020	0.088286	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	9.4538	2.8200	0.10298	0.23908	0.62400
112	5.4717	1.6323	0.058604	0.13837	0.83000
122	3.1820	0.94918	0.034662	0.080470	0.96000
127	3.5671	1.0640	0.038856	0.090206	1.0900
137	4.5320	1.3519	0.049367	0.11461	1.2200
142	4.3370	1.2937	0.047244	0.10968	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	9.4538	2.8200	0.10298	0.23908	-1.0000
-112	5.4717	1.6323	0.058604	0.13837	-1.0000
-122	3.1820	0.94918	0.034662	0.080470	-1.0000
-127	3.5671	1.0640	0.038856	0.090206	-1.0000
-137	4.5320	1.3519	0.049367	0.11461	-1.0000
-142	4.3370	1.2937	0.047244	0.10968	-1.0000
-152	3.5671	1.0640	0.038856	0.090206	-1.0000
-157	3.5771	1.0670	0.038965	0.090459	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN DUCTILE FLAP

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.5671	1.0640	0.038856	0.090206	-1.0000
-157	3.5771	1.0670	0.038965	0.090459	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5721	1.0655	0.038911	0.090333	-1.0000
-172	3.5771	1.0670	0.038965	0.090459	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.2670	0.97454	0.035588	0.082620	-1.0000
-187	3.3720	1.0067	0.036744	0.085291	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

RUN 20

NASA-LEWIS PRELIMINARY DATA 06/11/79 CADDFIT REC 10/18/79 04:28:37.020 FAC 8V6XL PGM C034 ENG 1259

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
72	15.533	4.6752	0.16863	0.43698	0.43200
77	8.5505	2.5533	0.092779	0.24065	0.53000
82	10.334	2.9501	0.10965	0.28181	0.62900
87	12.229	3.0513	0.11087	0.28757	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	11.748	3.5063	0.12733	0.33027	0.62200
67	11.069	3.3016	0.11997	0.31117	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	36.233	10.808	0.39274	1.0187	0.56400
82	11.359	3.3880	0.12311	0.31932	0.63500
92	3.5745	1.0663	0.038745	0.10048	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	9.5191	2.8395	0.10318	0.26762	0.62400
112	5.4950	1.6392	0.059562	0.15449	0.83000
122	3.1943	0.95285	0.034624	0.089805	0.96000
127	3.5595	1.0618	0.038582	0.10007	1.0900
137	4.1397	1.2349	0.044872	0.11639	1.2200
142	3.9797	1.1871	0.043137	0.11189	1.3500

>ADDITIONAL PRESSURE RATIOS , FORCEDOR INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	9.5191	2.8395	0.10318	0.26762	-1.0000
-112	5.4950	1.6392	0.059562	0.15449	-1.0000
-122	3.1943	0.95285	0.034624	0.089805	-1.0000
-127	3.5595	1.0618	0.038582	0.10007	-1.0000
-137	4.1397	1.2349	0.044872	0.11639	-1.0000
-142	3.9797	1.1871	0.043137	0.11189	-1.0000
-152	3.5695	1.0648	0.038691	0.10035	-1.0000
-157	3.5645	1.0633	0.038636	0.10021	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.5695	1.0648	0.038691	0.10035	-1.0000
-157	3.5645	1.0633	0.038636	0.10021	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5695	1.0648	0.038691	0.10035	-1.0000
-172	3.5695	1.0648	0.038691	0.10035	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.2693	0.97524	0.035437	0.091915	-1.0000
-187	3.2343	0.96476	0.035057	0.090930	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	19.225	5.7865	0.10724	0.43718	0.43200
37	10.563	3.1794	0.10837	0.24021	0.53000
47	12.391	3.7295	0.12712	0.28178	0.62900
52	12.655	3.8092	0.12984	0.28779	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	14.568	4.3847	0.14966	0.33128	0.42200
67	11.063	3.3297	0.11360	0.25157	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	38.130	11.477	0.39120	0.86711	0.56400
82	12.026	3.6198	0.12339	0.27349	0.63500
92	3.5428	1.0664	0.036450	0.080763	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	10.049	3.0246	0.10310	0.22852	0.62400
112	5.4122	1.7494	0.059631	0.13217	0.83000
122	3.3728	1.0152	0.034603	0.076699	0.96000
127	3.5528	1.0694	0.036450	0.080763	1.0900
137	4.0926	1.4997	0.051119	0.11331	1.2200
142	4.8176	1.4496	0.049375	0.10944	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD NODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	10.049	3.0246	0.10310	0.22852	-1.0000
-112	5.4122	1.7494	0.059631	0.13217	-1.0000
-122	3.3728	1.0152	0.034603	0.076699	-1.0000
-127	3.5528	1.0694	0.036450	0.080763	-1.0000
-137	4.0926	1.4997	0.051119	0.11331	-1.0000
-142	4.8176	1.4496	0.049375	0.10944	-1.0000
-152	3.5428	1.0663	0.036347	0.080565	-1.0000
-157	3.5428	1.0663	0.036347	0.080565	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD NODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.5428	1.0663	0.036347	0.080565	-1.0000
-157	3.5428	1.0663	0.036347	0.080565	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG. SIMPLE EXPANSION

AVD NODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5428	1.0663	0.036347	0.080565	-1.0000
-172	3.5428	1.0663	0.036347	0.080565	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG. SIMPLE EXPANSION

AVD NODE	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-182	3.2278	0.97154	0.033114	0.073402	-1.0000
-187	3.1928	0.96100	0.032756	0.072606	-1.0000

>ADDITIONAL PRESSURE RATIOS , MEASURED THRUST PARAMETERS

Run 20

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	18.289	5.5376	0.18816	0.43638	0.43200
37	10.062	3.0300	0.10352	0.24008	0.53000
47	11.773	3.5455	0.12113	0.28092	0.62900
52	12.033	3.6236	0.12383	0.28712	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	12.889	4.1825	0.14289	0.33140	0.42200
67	11.000	3.3125	0.11317	0.26247	0.62200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	37.854	11.399	0.38945	0.90322	0.56400
82	11.968	3.6041	0.12313	0.28557	0.63500
92	3.5404	1.0662	0.036424	0.084477	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	10.017	3.0165	0.10306	0.23901	0.62400
112	5.7883	1.7431	0.059551	0.13811	0.83000
122	3.3605	1.0120	0.034574	0.080185	0.96000
127	3.5404	1.0662	0.036424	0.084477	1.0900
137	4.7943	1.4438	0.049325	0.11440	1.2200
142	4.5995	1.3851	0.047321	0.10975	1.3500

>ADDITIONAL PRESSURE RATIOS , FORCEDOR INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	10.017	3.0165	0.10306	0.23901	-1.0000
-112	5.7883	1.7431	0.059551	0.13811	-1.0000
-122	3.3605	1.0120	0.034574	0.080185	-1.0000
-127	3.5404	1.0662	0.036424	0.084477	-1.0000
-137	4.7943	1.4438	0.049325	0.11440	-1.0000
-142	4.5995	1.3851	0.047321	0.10975	-1.0000
-152	3.5304	1.0631	0.036322	0.084238	-1.0000
-157	3.5404	1.0662	0.036424	0.084477	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.5304	1.0631	0.036322	0.084238	-1.0000
-157	3.5404	1.0662	0.036424	0.084477	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SWIRVEL LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.5404	1.0662	0.036424	0.084477	-1.0000
-172	3.5354	1.0647	0.036273	0.084127	-1.0000

>ADDITIONAL PRESSURE RATIOS , 60 DEG SWIRVEL LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.2456	0.97738	0.033391	0.077443	-1.0000
-187	3.2155	0.96834	0.033080	0.076719	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	14.465	4.0380	0.16836	0.43656	0.42200
37	9.3684	2.7037	0.092729	0.24067	0.53000
47	10.676	3.1675	0.10866	0.28201	0.62500
52	10.046	3.2339	0.11050	0.28784	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
42	12.418	3.7016	0.12698	0.32956	0.42200
47	10.970	3.2702	0.11218	0.29115	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	38.111	11.360	0.38970	1.0114	0.56400
82	12.063	3.5960	0.12335	0.32016	0.63500
92	3.5938	1.0643	0.036646	0.095113	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	10.097	3.0098	0.10324	0.26796	0.62400
112	5.9372	1.7400	0.059688	0.15492	0.83000
122	3.3889	1.0102	0.034653	0.089940	0.96000
127	3.5688	1.0639	0.036493	0.094715	1.0900
137	4.3884	1.3081	0.044873	0.11646	1.2200
142	4.2285	1.2605	0.043238	0.11222	1.3500

>ADDITIONAL PRESSURE RATIOS , CORERAKE INLET

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	10.097	3.0098	0.10324	0.26796	-1.0000
-112	5.9372	1.7400	0.059688	0.15492	-1.0000
-122	3.3889	1.0102	0.034653	0.089940	-1.0000
-127	3.5688	1.0639	0.036493	0.094715	-1.0000
-137	4.3884	1.3081	0.044873	0.11646	-1.0000
-142	4.2285	1.2605	0.043238	0.11222	-1.0000
-152	3.5738	1.0653	0.036544	0.094847	-1.0000
-157	3.5738	1.0653	0.036544	0.094847	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.5738	1.0653	0.036544	0.094847	-1.0000
-157	3.5738	1.0653	0.036544	0.094847	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD INCLINATION

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.5738	1.0653	0.036544	0.094847	-1.0000
-172	3.5799	1.0668	0.036595	0.094980	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD INCLINATION

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-183	3.2590	0.97146	0.033324	0.086491	-1.0000
-187	3.2940	0.98194	0.033683	0.087423	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
72	16.413	4.8993	0.16749	0.43693	0.43200
87	9.0467	2.7004	0.092315	0.24033	0.53000
97	10.587	3.1602	0.10804	0.28126	0.62900
92	10.807	3.2257	0.11027	0.28708	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PL/PD	PL/PTF	PI/PTP	X/DMAX
82	12.437	3.7123	0.12691	0.33039	0.42200
87	10.951	3.2689	0.11175	0.29093	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PL/PD	PL/PTF	PI/PTP	X/DMAX
77	38.131	11.382	0.38910	1.0130	0.56400
82	12.083	3.6066	0.12330	0.32099	0.63500
92	3.5743	1.0669	0.036473	0.094953	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PI/PTP	X/DMAX
107	10.114	3.0189	0.10320	0.26868	0.62400
112	5.8497	1.7461	0.059692	0.15540	0.83000
122	3.4046	1.0162	0.034741	0.090444	0.96000
127	3.5593	1.0624	0.036320	0.094555	1.0900
137	4.3928	1.3082	0.044723	0.11643	1.2200
142	4.2281	1.2620	0.043144	0.11232	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PI/PD	PL/PTF	PI/PTP	X/DMAX
-107	10.114	3.0189	0.10320	0.26868	-1.0000
-112	5.8497	1.7461	0.059692	0.15540	-1.0000
-122	3.4046	1.0162	0.034741	0.090444	-1.0000
-127	3.5593	1.0624	0.036320	0.094555	-1.0000
-137	4.3928	1.3082	0.044723	0.11643	-1.0000
-142	4.2281	1.2620	0.043144	0.11232	-1.0000
-152	3.5693	1.0654	0.036422	0.094820	-1.0000
-157	3.5443	1.0639	0.036171	0.094287	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.5693	1.0654	0.036422	0.094820	-1.0000
-157	3.5443	1.0639	0.036171	0.094287	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PL/PD	PL/PTF	PI/PTP	X/DMAX
-162	3.5763	1.0669	0.036473	0.094953	-1.0000
-172	3.5443	1.0639	0.036171	0.094287	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PL/PD	PL/PTF	PI/PTP	X/DMAX
-182	3.2698	0.97601	0.033366	0.086864	-1.0000
-192	3.2399	0.96707	0.033060	0.086069	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
32	19.495	5.5744	0.18876	0.43641	0.43200
37	10.164	3.0360	0.10252	0.23583	0.53000
47	11.809	3.5544	0.12119	0.28078	0.62900
52	12.156	3.6303	0.12378	0.28678	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
62	13.978	4.1756	0.14237	0.32984	0.42200
67	10.947	3.2699	0.11149	0.25831	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	38.182	11.405	0.38887	0.90085	0.56400
82	12.089	3.6110	0.12312	0.28525	0.63500
92	3.5622	1.0640	0.036281	0.084056	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	10.114	3.0211	0.10301	0.23865	0.62400
112	5.8435	1.7455	0.059515	0.13788	0.83000
122	3.3975	1.0148	0.034602	0.080168	0.96000
127	3.5422	1.0540	0.036281	0.084056	1.0900
137	4.8502	1.4488	0.049399	0.11445	1.2200
142	4.6506	1.3891	0.047365	0.10974	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-107	10.114	3.0211	0.10301	0.23865	-1.0000
-112	5.8435	1.7455	0.059515	0.13788	-1.0000
-122	3.3975	1.0148	0.034602	0.080168	-1.0000
-127	3.5422	1.0640	0.036281	0.084056	-1.0000
-137	4.8502	1.4488	0.049399	0.11445	-1.0000
-142	4.6506	1.3891	0.047365	0.10974	-1.0000
-152	3.5422	1.0640	0.036281	0.084056	-1.0000
-157	3.5622	1.0640	0.036281	0.084056	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-152	3.5622	1.0640	0.036281	0.084056	-1.0000
-157	3.5622	1.0640	0.036281	0.084056	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD EXPANSION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-167	3.5622	1.0640	0.036281	0.084056	-1.0000
-172	3.4572	1.0326	0.035210	0.081578	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD EXPANSION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-182	3.2576	0.97307	0.033179	0.076869	-1.0000
-187	3.2727	0.96263	0.032823	0.076044	-1.0000

>SERVICE 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.352	4.6267	0.16817	0.43677	0.43200
37	8.4567	2.5486	0.092634	0.24059	0.53000
47	6.9363	2.0854	0.10861	0.28183	0.62900
52	10.116	3.0487	0.11081	0.28780	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	11.625	3.5335	0.12734	0.33074	0.42200
67	10.921	3.2912	0.11962	0.31069	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	35.610	10.732	0.39007	1.0131	0.56400
82	11.241	3.3875	0.12313	0.31979	0.63500
92	3.5407	1.0671	0.038785	0.10073	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	9.4165	2.8378	0.10315	0.26790	0.62400
112	5.4266	1.6356	0.059462	0.15439	0.83000
122	3.1505	0.94944	0.034510	0.089629	0.96000
127	3.5257	1.0625	0.038620	0.10031	1.0900
137	4.0911	1.2329	0.044813	0.11638	1.2200
142	3.9310	1.1847	0.043058	0.11184	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	9.4165	2.8378	0.10315	0.26790	-1.0000
-112	5.4266	1.6356	0.059462	0.15439	-1.0000
-122	3.1505	0.94944	0.034510	0.089629	-1.0000
-127	3.5257	1.0625	0.038620	0.10031	-1.0000
-137	4.0911	1.2329	0.044813	0.11638	-1.0000
-142	3.9310	1.1847	0.043058	0.11184	-1.0000
-152	3.5307	1.0640	0.038675	0.10045	-1.0000
-157	3.5307	1.0640	0.038675	0.10045	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5307	1.0640	0.038675	0.10045	-1.0000
-157	3.5307	1.0640	0.038675	0.10045	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5407	1.0671	0.038785	0.10073	-1.0000
-172	3.5357	1.0655	0.038730	0.10055	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.2305	0.97356	0.035386	0.091907	-1.0000
-187	3.2355	0.96603	0.035113	0.091195	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	17.979	5.1468	0.18794	0.43744	0.43200
37	9.4015	2.9332	0.10346	0.240R0	0.53000
47	11.099	3.3177	0.12115	0.28198	0.62500
52	11.239	3.3869	0.12368	0.28796	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	12.966	3.9278	0.14269	0.33210	0.42200
67	10.903	3.2846	0.11994	0.27917	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	35.522	10.705	0.39089	0.90981	0.56400
82	11.209	3.3779	0.12335	0.28709	0.63500
92	3.4409	1.0671	0.038965	0.090692	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	9.3666	2.8226	0.10307	0.23990	0.62400
112	5.4102	1.6304	0.055535	0.13857	0.83000
122	3.1460	0.94805	0.034619	0.080576	0.96300
127	3.5309	1.0641	0.038855	0.090436	1.0400
137	4.4706	1.3472	0.049196	0.11450	1.2200
142	4.2857	1.2915	0.047161	0.10977	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR THROAT

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	9.3666	2.8226	0.10307	0.23990	-1.0000
-112	5.4102	1.6304	0.055535	0.13857	-1.0000
-122	3.1460	0.94805	0.034619	0.080576	-1.0000
-127	3.5309	1.0641	0.038855	0.090436	-1.0000
-137	4.4706	1.3472	0.049196	0.11450	-1.0000
-142	4.2857	1.2915	0.047161	0.10977	-1.0000
-152	3.5309	1.0641	0.038855	0.090436	-1.0000
-157	3.5359	1.0656	0.038910	0.090564	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5309	1.0641	0.038855	0.090436	-1.0000
-157	3.5359	1.0656	0.038910	0.090564	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG. SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5359	1.0656	0.038910	0.090564	-1.0000
-172	3.5309	1.0641	0.038855	0.090436	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.2169	0.96914	0.035389	0.082369	-1.0000
-187	3.1913	0.96141	0.035114	0.081729	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	19.132	5.7589	0.21031	0.43750	0.43200
37	10.521	3.1660	0.11566	0.24059	0.53000
47	17.313	5.7065	0.13537	0.29158	0.62900
52	12.573	3.7847	0.13822	0.28752	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	14.525	4.3722	0.15968	0.33215	0.42200
67	10.099	3.2812	0.11583	0.24926	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	35.556	10.703	0.39088	0.81308	0.56400
82	11.230	3.3804	0.12346	0.25682	0.63500
92	3.5508	1.0689	0.039036	0.0811*9	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PI/PD	PI/PTF	PL/PTP	X/DMAX
107	9.3821	2.8242	0.10314	0.21455	0.62400
112	5.6203	1.6316	0.059588	0.12396	0.83000
122	3.1558	0.94995	0.034693	0.072166	0.96000
127	3.5458	1.0673	0.038981	0.081085	1.0900
137	4.0655	1.4646	0.053489	0.11126	1.2200
142	4.7706	1.4360	0.052445	0.10909	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/PD	PL/PTF	PI/PTP	X/DMAX
-107	9.3821	2.8242	0.10314	0.21455	-1.0000
-112	5.6203	1.6316	0.059588	0.12396	-1.0000
-122	3.1558	0.94995	0.034693	0.072166	-1.0000
-127	3.5458	1.0673	0.038981	0.081085	-1.0000
-137	4.0655	1.4646	0.053489	0.11126	-1.0000
-142	4.7706	1.4360	0.052445	0.10909	-1.0000
-152	3.5358	1.0643	0.038871	0.080856	-1.0000
-157	3.5408	1.0658	0.038926	0.080970	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	3.5358	1.0643	0.038871	0.080856	-1.0000
-157	3.5408	1.0658	0.038926	0.080970	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SUPERM LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PL/PTP	X/DMAX
-167	3.5408	1.0658	0.038926	0.080970	-1.0000
-172	3.5408	1.0658	0.038926	0.080970	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SUPERM LOCATION

AVD WORD	PL	PI/PD	PI/PTF	PL/PTP	X/DMAX
-182	3.2258	0.97103	0.035463	0.073767	-1.0000
-187	3.2303	0.96350	0.035188	0.073195	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Run 30

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.906	4.1817	0.16878	0.43710	0.43200
37	7.6721	2.3071	0.093118	0.24115	0.53000
47	8.0712	2.4278	0.10986	0.28196	0.62900
52	9.1719	2.7579	0.11131	0.28827	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	10.550	3.1725	0.12805	0.33161	0.42200
67	10.845	3.2611	0.13162	0.34087	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	32.282	9.7078	0.39182	1.0147	0.56400
82	10.130	3.0463	0.12295	0.31842	0.63500
82	3.5479	1.0669	0.043062	0.11152	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	8.4916	2.5535	0.10306	0.26691	0.62400
112	4.8931	1.4714	0.059388	0.15380	0.83000
122	2.8477	0.85635	0.034564	0.089511	0.96000
127	3.5379	1.0639	0.042819	0.11089	1.0900
137	3.6929	1.1105	0.044822	0.11608	1.2200
142	3.5479	1.0669	0.043062	0.11152	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	8.4916	2.5535	0.10306	0.26691	-1.0000
-112	4.8930	1.4714	0.059388	0.15380	-1.0000
-122	2.8477	0.85635	0.034564	0.089511	-1.0000
-127	3.5379	1.0639	0.042819	0.11089	-1.0000
-137	3.6929	1.1105	0.044822	0.11608	-1.0000
-142	3.5479	1.0669	0.043062	0.11152	-1.0000
-152	3.5479	1.0669	0.043062	0.11152	-1.0000
-157	3.5479	1.0669	0.043062	0.11152	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN REVERSER FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5479	1.0669	0.043062	0.11152	-1.0000
-157	3.5479	1.0669	0.043062	0.11152	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD DEFLECTION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5428	1.0654	0.043001	0.11136	-1.0000
-172	3.5479	1.0669	0.043062	0.11152	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD DEFLECTION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.9529	1.0781A	0.039681	0.10274	-1.0000
-187	3.7294	1.0681A	0.038117	0.10130	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Row 20

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	15.570	4.6492	0.19749	0.43661	0.43200
37	8.5956	2.5626	0.10330	0.24075	0.53000
42	17.053	5.0808	0.12101	0.28181	0.62500
52	10.265	3.0653	0.12262	0.28786	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	11.780	3.5201	0.14195	0.33057	0.42200
67	10.826	3.2321	0.13034	0.30353	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	32.665	9.7538	0.39333	0.91599	0.56600
82	10.255	3.0620	0.12349	0.28756	0.63500
92	3.5799	1.0693	0.043107	0.10039	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	8.5606	2.5561	0.10308	0.24005	0.62400
112	4.0455	1.4767	0.059550	0.13868	0.83000
122	2.8795	0.85980	0.034672	0.080744	0.96000
127	3.5569	1.0615	0.042806	0.099685	1.0900
137	4.0852	1.2198	0.049191	0.11455	1.2200
142	3.9201	1.1705	0.047207	0.10993	1.3500

>ADDITIONAL PRESSURE RATIOS , EXPERIMENTAL INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	8.5606	2.5561	0.10308	0.24005	-1.0000
-112	4.0455	1.4767	0.059550	0.13868	-1.0000
-122	2.8795	0.85980	0.034672	0.080744	-1.0000
-127	3.5569	1.0615	0.042806	0.099685	-1.0000
-137	4.0852	1.2198	0.049191	0.11455	-1.0000
-142	3.9201	1.1705	0.047207	0.10993	-1.0000
-152	3.5649	1.0645	0.042926	0.099965	-1.0000
-157	3.5699	1.0660	0.042986	0.10011	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.5649	1.0645	0.042926	0.099965	-1.0000
-157	3.5699	1.0660	0.042986	0.10011	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD INCIDENCE

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-162	3.5649	1.0645	0.042926	0.099965	-1.0000
-172	3.5649	1.0645	0.042926	0.099965	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD INCIDENCE

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.2367	0.96737	0.038910	0.090846	-1.0000
-187	3.2367	0.96840	0.038949	0.090965	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	18.164	5.4086	0.21791	0.43739	0.43200
37	9.9877	2.9739	0.11982	0.24051	0.53000
47	11.691	3.4812	0.14026	0.29153	0.62900
52	11.751	3.5586	0.14338	0.28778	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	13.749	4.0940	0.16496	0.33108	0.42200
67	10.787	3.2149	0.12953	0.26000	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	39.829	9.7752	0.393R5	0.79053	0.56400
82	10.332	3.0677	0.12360	0.24809	0.63500
92	3.4790	1.0657	0.042937	0.086184	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	8.5835	2.5558	0.10298	0.20669	0.62400
112	4.9643	1.4782	0.059557	0.11954	0.83000
122	2.8887	0.86014	0.034656	0.069561	0.96000
127	3.5740	1.0642	0.042877	0.086063	1.0900
137	4.5893	1.3665	0.055058	0.11051	1.2200
142	4.5193	1.3457	0.054218	0.10883	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	8.5835	2.5558	0.10298	0.20669	-1.0000
-112	4.9643	1.4782	0.059557	0.11954	-1.0000
-122	2.8887	0.86014	0.034656	0.069561	-1.0000
-127	3.5740	1.0642	0.042877	0.086063	-1.0000
-137	4.5893	1.3665	0.055058	0.11051	-1.0000
-142	4.5193	1.3457	0.054218	0.10883	-1.0000
-152	3.5640	1.0612	0.042757	0.085822	-1.0000
-157	3.5743	1.0642	0.042877	0.086063	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.5640	1.0612	0.042757	0.085822	-1.0000
-157	3.5743	1.0642	0.042877	0.086063	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.5740	1.0642	0.042877	0.086063	-1.0000
-172	3.2690	1.0627	0.042817	0.085943	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.2539	0.96888	0.039037	0.078354	-1.0000
-187	3.2139	0.95696	0.038557	0.077391	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
52	12.577	3.7771	0.16875	0.43701	0.43200
57	6.9597	2.0875	0.093260	0.24152	0.53000
62	8.1353	2.4432	0.10915	0.28268	0.62500
67	8.3302	2.4928	0.11137	0.28841	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
52	9.5446	2.8724	0.12833	0.33234	0.42200
67	10.734	3.2235	0.14401	0.37296	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	29.571	8.8909	0.39676	1.0275	0.56400
82	9.2247	2.7706	0.12377	0.32053	0.63500
92	3.5507	1.0664	0.047641	0.12338	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	7.6655	2.3021	0.10285	0.26635	0.62400
112	4.4309	1.3307	0.059451	0.15396	0.83000
122	2.5803	0.77492	0.034620	0.089657	0.96000
127	3.5257	1.0589	0.047305	0.12251	1.0900
137	3.3556	1.0078	0.045023	0.11660	1.2200
142	3.2156	0.96572	0.043144	0.11173	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	7.6655	2.3021	0.10285	0.26635	-1.0000
-112	4.4309	1.3307	0.059451	0.15396	-1.0000
-122	2.5803	0.77492	0.034620	0.089657	-1.0000
-127	3.5257	1.0589	0.047305	0.12251	-1.0000
-137	3.3556	1.0078	0.045023	0.11660	-1.0000
-142	3.2156	0.96572	0.043144	0.11173	-1.0000
-152	3.5407	1.0434	0.047504	0.12303	-1.0000
-157	3.5357	1.0619	0.047439	0.12286	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5407	1.0634	0.047506	0.12303	-1.0000
-157	3.5357	1.0619	0.047439	0.12286	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5357	1.0619	0.047439	0.12286	-1.0000
-172	3.5357	1.0619	0.047439	0.12286	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.2056	0.96271	0.043010	0.11138	-1.0000
-187	3.1902	0.95527	0.042674	0.11052	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Run 20

NASA-LEWIS PRELIMINARY DATA 06/11/79 CADDELL REC 10/18/79 04:42:12.407 F8C 8X4X1 PGM C036 RDG 1272

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	14.138	4.2226	0.18908	0.43817	0.43200
37	7.7629	2.3292	0.10429	0.24168	0.53000
47	9.0573	2.7746	0.12200	0.28271	0.62900
52	9.2422	2.7802	0.12449	0.28848	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	10.646	3.2026	0.14340	0.33231	0.42200
67	10.711	3.2221	0.14427	0.33433	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	29.435	8.9546	0.39447	0.91877	0.56400
82	9.1722	2.7592	0.12356	0.28630	0.63500
92	3.5429	1.0658	0.047729	0.11059	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	7.6479	2.3006	0.10301	0.23872	0.62400
112	4.4131	1.3276	0.059442	0.13775	0.83000
122	2.5774	0.77532	0.034715	0.080448	0.96000
127	3.5229	1.0597	0.047459	0.10996	1.0900
137	3.6679	1.1034	0.049404	0.11449	1.2200
142	3.5129	1.0567	0.047316	0.10966	1.3500

>ADDITIONAL PRESSURE RATIOS , FREEMAN INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	7.6479	2.3006	0.10301	0.23872	-1.0000
-112	4.4131	1.3276	0.059442	0.13775	-1.0000
-122	2.5774	0.77532	0.034715	0.080448	-1.0000
-127	3.5229	1.0597	0.047459	0.10996	-1.0000
-137	3.6679	1.1034	0.049404	0.11449	-1.0000
-142	3.5129	1.0567	0.047316	0.10966	-1.0000
-152	3.5379	1.0643	0.047653	0.11043	-1.0000
-157	3.5329	1.0628	0.047585	0.11027	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5379	1.0643	0.047653	0.11043	-1.0000
-157	3.5329	1.0628	0.047585	0.11027	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SWIRL LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5329	1.0628	0.047585	0.11027	-1.0000
-172	3.5329	1.0628	0.047585	0.11027	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SWIRL LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.2177	0.96795	0.043340	0.10044	-1.0000
-187	3.1827	0.95743	0.042869	0.099343	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

199

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	14.203	4.8756	0.21736	0.43768	0.43200
37	8.9350	2.6955	0.11973	0.24105	0.53000
47	10.435	3.1390	0.13996	0.28187	0.62900
52	10.669	3.2176	0.14301	0.28795	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	12.270	3.6919	0.16460	0.33143	0.42200
67	10.720	3.2256	0.14381	0.28957	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	29.596	8.9055	0.39704	0.79947	0.56400
82	9.2250	2.7758	0.12375	0.24919	0.63500
92	3.5570	1.0703	0.047717	0.096082	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	7.6947	2.3123	0.10309	0.20758	0.62400
112	4.4378	1.3353	0.059534	0.11988	0.83000
122	2.5958	0.77807	0.034689	0.069849	0.96000
127	3.5369	1.0643	0.047449	0.095541	1.0900
137	4.0925	1.2314	0.054901	0.11055	1.2200
142	4.0324	1.2134	0.054096	0.10893	1.3500

>ADDITIONAL PRESSURE RATIOS , FREEBODY SHELF

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	7.6947	2.3123	0.10309	0.20758	-1.0000
-112	4.4378	1.3353	0.059534	0.11988	-1.0000
-122	2.5958	0.77807	0.034689	0.069849	-1.0000
-127	3.5369	1.0643	0.047448	0.095541	-1.0000
-137	4.0925	1.2314	0.054901	0.11055	-1.0000
-142	4.0324	1.2134	0.054096	0.10893	-1.0000
-152	3.5419	1.0658	0.047516	0.095676	-1.0000
-157	3.5369	1.0643	0.047448	0.095541	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	3.5419	1.0658	0.047516	0.095676	-1.0000
-157	3.5369	1.0643	0.047448	0.095541	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-167	3.5419	1.0658	0.047516	0.095676	-1.0000
-172	3.5369	1.0643	0.047448	0.095541	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-182	3.2166	0.96784	0.043151	0.086887	-1.0000
-187	3.1815	0.95732	0.042681	0.085941	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	11.191	3.3620	0.16926	0.43728	0.43700
37	6.1856	1.8583	0.093552	0.24169	0.53000
47	7.2703	2.1690	0.10920	0.28211	0.62900
52	7.3899	2.2200	0.11177	0.28875	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	8.5199	2.5592	0.12884	0.33287	0.42200
67	10.682	3.2090	0.16155	0.41728	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	26.337	7.9121	0.39833	1.0291	0.56400
82	8.1393	2.4452	0.12310	0.31803	0.63500
92	3.5413	1.0639	0.053559	0.13837	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	6.8053	2.0444	0.10292	0.26591	0.62400
112	3.9213	1.1780	0.059306	0.15322	0.83000
122	2.2911	0.68827	0.034651	0.089521	0.96000
127	3.5263	1.0593	0.053332	0.13778	1.0900
137	2.9862	0.89711	0.045164	0.11668	1.2200
142	2.8562	0.85805	0.043198	0.11160	1.3500

>ADDITIONAL PRESSURE RATIOS , CORRIDOR INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	6.8053	2.0444	0.10292	0.26591	-1.0000
-112	3.9213	1.1780	0.059306	0.15322	-1.0000
-122	2.2911	0.68827	0.034651	0.089521	-1.0000
-127	3.5263	1.0593	0.053332	0.13778	-1.0000
-137	2.9862	0.89711	0.045164	0.11668	-1.0000
-142	2.8562	0.85805	0.043198	0.11160	-1.0000
-152	3.5413	1.0639	0.053559	0.13837	-1.0000
-157	3.5413	1.0639	0.053559	0.13837	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	3.5413	1.0639	0.053559	0.13837	-1.0000
-157	3.5413	1.0639	0.053559	0.13837	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-167	3.5413	1.0654	0.053634	0.13857	-1.0000
-172	3.5413	1.0639	0.053559	0.13837	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-182	3.2513	0.97673	0.049173	0.12704	-1.0000
-187	3.2113	0.96471	0.048567	0.1254A	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

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>ADDITIONAL PRESSURE RATIO , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	12.699	3.7825	0.18990	0.43715	0.43200
37	7.0179	2.0904	0.10495	0.24159	0.53000
47	4.2114	2.4457	0.12273	0.28247	0.62900
52	4.3912	2.6996	0.12542	0.28886	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	9.6543	2.8756	0.14430	0.33234	0.42200
67	10.668	3.1775	0.15944	0.36722	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	26.669	7.9436	0.39861	0.91805	0.56400
82	8.2514	2.4578	0.12333	0.28404	0.63500
92	3.5909	1.0666	0.053522	0.12327	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	6.8881	2.0517	0.10295	0.23712	0.62400
112	3.9737	1.1837	0.059369	0.13669	0.83000
122	2.3214	0.69145	0.034697	0.079911	0.96000
127	3.5609	1.0607	0.053223	0.12258	1.0900
137	3.3210	0.98920	0.049638	0.11432	1.2200
142	3.1911	0.96752	0.047546	0.10951	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	6.8881	2.0517	0.10295	0.23712	-1.0000
-112	3.9737	1.1837	0.059369	0.13669	-1.0000
-122	2.3214	0.69145	0.034697	0.079911	-1.0000
-127	3.5609	1.0607	0.053223	0.12258	-1.0000
-137	3.3210	0.98920	0.049638	0.11432	-1.0000
-142	3.1911	0.96752	0.047546	0.10951	-1.0000
-152	3.5709	1.0636	0.053373	0.12292	-1.0000
-157	3.5759	1.0651	0.053447	0.12310	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	3.5709	1.0636	0.053373	0.12292	-1.0000
-157	3.5759	1.0651	0.053447	0.12310	-1.0000

>ADDITIONAL PRESSURE RATIOS , 30 DEG SIMPLIN LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-167	3.5759	1.0651	0.053447	0.12310	-1.0000
-172	3.5759	1.0651	0.053447	0.12310	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SIMPLIN LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-182	3.2710	0.97491	0.048901	0.11260	-1.0000
-187	3.2361	0.96389	0.048368	0.11140	-1.0000

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	14.586	4.3502	0.21881	0.43710	0.43200
37	8.0454	2.3994	0.12069	0.24109	0.53000
47	9.4189	2.8091	0.14129	0.28225	0.62900
52	9.6187	2.8687	0.14429	0.28824	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	11.057	3.2976	0.16587	0.33133	0.42200
67	10.667	3.1814	0.16002	0.31966	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	26.600	7.9332	0.39903	0.79711	0.56400
82	8.2202	2.4516	0.12331	0.24633	0.63500
92	3.5779	1.0671	0.053673	0.10722	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	6.8514	2.0434	0.10278	0.20531	0.62400
112	3.9528	1.1789	0.059297	0.11845	0.83000
122	2.3179	0.69129	0.034771	0.069459	0.96000
127	3.5529	1.0596	0.053298	0.10647	1.0400
137	3.6679	1.0939	0.055022	0.10991	1.2200
142	3.6279	1.0820	0.054423	0.10871	1.3500

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	6.8514	2.0434	0.10278	0.20531	-1.0000
-112	3.9528	1.1789	0.059297	0.11845	-1.0000
-122	2.3179	0.69129	0.034771	0.069459	-1.0000
-127	3.5529	1.0596	0.053298	0.10647	-1.0000
-137	3.6679	1.0939	0.055022	0.10991	-1.0000
-142	3.6279	1.0820	0.054423	0.10871	-1.0000
-152	3.5679	1.0641	0.053523	0.10692	-1.0000
-157	3.5579	1.0611	0.053373	0.10662	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	3.5679	1.0641	0.053523	0.10692	-1.0000
-157	3.5679	1.0641	0.053523	0.10692	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SWITCH LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-167	3.5629	1.0626	0.053448	0.10677	-1.0000
-172	3.5679	1.0641	0.053523	0.10692	-1.0000

>ADDITIONAL PRESSURE RATIOS , 40 DEG SWITCH LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-187	3.2579	0.97144	0.048873	0.097628	-1.0000
-192	3.2979	0.98335	0.049473	0.098824	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	15.482	4.6759	0.16833	0.43607	0.43200
87	8.5127	2.5497	0.092784	0.24036	0.53000
97	10.313	3.0917	0.11287	0.29207	0.62900
92	10.198	3.0669	0.11088	0.28723	0.72700

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
87	11.721	3.5022	0.12744	0.33014	0.42200
97	10.597	3.1663	0.11522	0.29848	0.69200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	36.129	10.795	0.39282	1.0176	0.56400
82	11.357	3.3932	0.12348	0.31987	0.63500
92	3.5792	1.0694	0.038915	0.10081	0.69200

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	9.4582	2.8260	0.10286	0.26640	0.62400
112	5.4796	1.6372	0.059577	0.15434	0.83000
122	3.1891	0.95284	0.034673	0.089823	0.96300
127	3.5542	1.0619	0.038644	0.10011	1.0900
137	4.1294	1.2338	0.044897	0.11631	1.2200
142	3.9694	1.1960	0.043157	0.11180	1.3500

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD NOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	9.4582	2.8260	0.10286	0.26640	-1.0000
-112	5.4796	1.6372	0.059577	0.15434	-1.0000
-122	3.1891	0.95284	0.034673	0.089823	-1.0000
-127	3.5542	1.0619	0.038644	0.10011	-1.0000
-137	4.1294	1.2338	0.044897	0.11631	-1.0000
-142	3.9694	1.1960	0.043157	0.11180	-1.0000
-152	3.5642	1.0649	0.038752	0.10039	-1.0000
-157	3.5642	1.0649	0.038752	0.10039	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD NOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	3.5642	1.0649	0.038752	0.10039	-1.0000
-157	3.5642	1.0649	0.038752	0.10039	-1.0000

>ADDITIONAL PRESSURE RATIOS , 90 DEG SWITCH LOCATION

AVD NOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-167	3.5592	1.0634	0.038698	0.10025	-1.0000
-172	3.5592	1.0634	0.038698	0.10025	-1.0000

>ADDITIONAL PRESSURE RATIOS , 80 DEG SWITCH LOCATION

AVD NOPD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-182	3.2341	0.96629	0.035163	0.091091	-1.0000
-187	3.2341	0.96732	0.034937	0.090265	-1.0000

>SECTION 5 , MEASURED THRUST PARAMETERS

Run 22

NASA-LEWIS PRELIMINARY DATA CODE-II FACILITY 9X6X1 PROGRAM C036 PAGE 1348 TO 1407
TIME AND DATE PROCESSED 02:59:14 JUN 13 1979

NOZZLE TYPE	P&W BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS	TAKEOFF
NOZZLE CONFIGURATION	C3
PRIMARY-NOZZLE PLUG	SPLIT PLUG (EXTENDED)
FLOW SPLITTER	ISENTROPIC SPLITTER
FAN NOZZLE	SHORT FLAP
CLAMSHELL POSITION	17 DEG
EJECTOR INLET OPENING	MIDWAY

RDG	MO	PTF/PTP	PTF/PO	PTP/PO	OMEGA	PTS/PTF	CDF	CDP	CFI	ETAI	ETAI,INT	CFP1	CFP2	FO
1348	0.029	1.69	1.81	1.07	0.000	0.549	0.966	1.028	0.9512	0.9512	0.9512	0.9512	0.9524	******
1349	0.021	1.67	2.11	1.26	0.000	0.471	0.965	0.952	0.9512	0.9512	0.9512	0.9512	0.9539	******
1350	0.015	1.68	2.49	1.48	0.000	0.400	0.967	1.016	0.9295	0.9295	0.9295	0.9295	0.9327	******
1351	0.053	1.69	3.11	1.83	0.000	0.321	0.968	0.968	0.9185	0.9185	0.9185	0.9185	0.9212	******
1352	0.053	1.70	3.59	2.12	0.000	0.275	0.970	0.959	0.9461	0.9461	0.9461	0.9461	0.9483	******
1353	0.057	1.69	3.97	2.34	0.000	0.251	0.971	0.982	0.9438	0.9438	0.9438	0.9438	0.9458	******
1354	0.059	1.69	3.99	2.36	0.000	0.249	0.971	0.981	0.9445	0.9445	0.9445	0.9445	0.9465	******
1355	0.062	1.70	3.69	2.12	0.000	0.275	0.968	0.959	0.9448	0.9448	0.9448	0.9448	0.9478	******
1356	0.056	1.70	3.09	1.82	0.000	0.323	0.969	0.969	0.9140	0.9140	0.9141	0.9141	0.9168	******
1357	0.033	1.69	2.50	1.48	0.000	0.398	0.967	1.013	0.9224	0.9224	0.9224	0.9224	0.9256	******
1358	0.029	1.68	2.09	1.25	0.000	0.475	0.966	0.992	0.9428	0.9428	0.9428	0.9428	0.9454	******
1359	0.019	1.69	1.80	1.07	0.000	0.553	0.958	1.026	0.9313	0.9313	0.9313	0.9313	0.9324	******
1360	0.044	1.69	1.80	1.07	0.000	0.555	0.964	1.010	0.9366	0.9366	0.9366	0.9366	0.9378	******
1361	0.023	1.69	2.74	1.62	0.000	0.363	0.966	0.991	0.9134	0.9134	0.9134	0.9134	0.9165	******
1362	0.053	1.70	3.21	1.95	0.000	0.301	0.969	0.962	0.9229	0.9229	0.9229	0.9229	0.9254	******
1363	0.031	1.69	3.31	1.95	0.000	0.301	0.968	0.963	0.9239	0.9239	0.9239	0.9239	0.9263	******
1364	0.046	1.69	2.74	1.62	0.000	0.363	0.965	0.990	0.9164	0.9164	0.9165	0.9165	0.9196	******
1365	0.015	1.68	2.50	1.49	0.000	0.397	0.970	1.013	0.9231	0.9231	0.9231	0.9231	0.9263	******
1366	0.031	1.65	1.80	1.24	0.000	0.552	0.963	0.987	0.9450	0.9450	0.9450	0.9450	0.9482	******
1367	0.027	1.63	2.09	1.46	0.000	0.475	0.964	0.998	0.9461	0.9461	0.9461	0.9461	0.9508	******
1368	0.048	1.65	2.50	1.73	0.000	0.398	0.966	0.986	0.9264	0.9264	0.9264	0.9264	0.9299	******
1369	0.053	1.67	3.11	2.12	0.000	0.320	0.968	0.976	0.9194	0.9194	0.9194	0.9194	0.9220	******
1370	0.053	1.65	3.60	2.48	0.000	0.276	0.969	0.973	0.9412	0.9412	0.9413	0.9413	0.9434	******
1371	0.051	1.65	3.97	2.73	0.000	0.251	0.967	0.982	0.9422	0.9422	0.9422	0.9422	0.9441	******
1372	0.049	1.65	3.98	2.73	0.000	0.250	0.968	0.983	0.9427	0.9427	0.9427	0.9427	0.9446	******
1373	0.039	1.65	3.59	2.49	0.000	0.278	0.968	0.973	0.9411	0.9411	0.9411	0.9411	0.9432	******
1374	0.050	1.67	3.10	2.11	0.000	0.321	0.967	0.977	0.9214	0.9214	0.9215	0.9215	0.9240	******
1375	0.027	1.66	2.76	1.88	0.000	0.361	0.966	0.979	0.9210	0.9210	0.9211	0.9211	0.9241	******
1376	0.019	1.65	2.49	1.72	0.000	0.398	0.966	0.985	0.9279	0.9279	0.9279	0.9279	0.9314	******
1377	0.015	1.63	2.11	1.47	0.000	0.471	0.965	0.997	0.9483	0.9483	0.9483	0.9483	0.9522	******
1378	0.031	1.65	1.80	1.24	0.000	0.553	0.963	0.987	0.9461	0.9461	0.9461	0.9461	0.9494	******
1379	0.052	1.66	3.32	2.27	0.000	0.298	0.969	0.976	0.9332	0.9332	0.9332	0.9332	0.9356	******
1380	0.364	1.69	1.81	1.07	0.000	0.554	0.966	0.886	0.9012	0.9012	0.9036	0.9036	0.9067	******
1381	0.365	1.69	2.11	1.26	0.000	0.476	0.966	0.940	0.9154	0.9154	0.9171	0.9171	0.9196	******
1382	0.363	1.68	2.51	1.49	0.000	0.400	0.967	1.006	0.9074	0.9074	0.9086	0.9086	0.9117	******
1383	0.359	1.69	3.13	1.85	0.000	0.322	0.968	0.972	0.9016	0.9016	0.9024	0.9024	0.9051	******
1384	0.363	1.69	3.61	2.13	0.000	0.277	0.969	0.959	0.9298	0.9298	0.9305	0.9305	0.9327	******
1385	0.362	1.71	3.81	2.24	0.000	0.262	0.968	0.964	0.9346	0.9346	0.9352	0.9352	0.9373	******

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NASA-LEWIS PRELIMINARY DATA CADDF-II FACILITY 8X4E1 PROGRAM C034 PAGS 1368 TO 1437 RUN 22 CONT
TIME AND DATE PROCESSED 22:59:16 JUN 13 1979

NOZZLE TYPE — P&W BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS — TAKEOFF
NOZZLE CONFIGURATION — C3
PRIMARY-NOZZLE PLUG — SPLIT PLUG (EXTENDED)
FLOW SPLITTER — ISENTROPIC SPLITTER
FAN NOZZLE — SHORT FLAP
CLAMSHELL POSITION — 17 DEG
EJECTOR INLET OPENING — MIDWAY

PDG	M0	PTF/PTP	PTF/P0	PTP/P0	OMEGA	PTS/PTF	CDF	CDP	CFI	ETA1	ETA1,INT	CFP1	CFP2	F0
1386	0.362	1.69	3.81	2.25	0.000	0.262	0.969	0.964	0.9376	0.9376	0.9382	0.9382	0.9403	******
1387	0.363	1.70	3.61	2.13	0.000	0.277	0.969	0.959	0.9306	0.9306	0.9313	0.9313	0.9336	******
1388	0.364	1.69	3.11	1.84	0.000	0.325	0.968	0.973	0.9085	0.9085	0.9014	0.9014	0.9041	******
1389	0.358	1.68	2.50	1.49	0.000	0.401	0.967	1.004	0.9083	0.9083	0.9094	0.9094	0.9126	******
1390	0.359	1.69	2.12	1.26	0.000	0.472	0.965	0.965	0.9163	0.9163	0.9179	0.9179	0.9205	******
1391	0.362	1.69	1.81	1.07	0.000	0.552	0.965	0.988	0.8997	0.8997	0.9021	0.9021	0.9032	******
1392	0.362	1.69	2.74	1.62	0.000	0.367	0.967	0.969	0.9060	0.9060	0.9070	0.9070	0.9101	******
1393	0.356	1.66	1.91	1.25	0.000	0.555	0.965	0.960	0.9135	0.9135	0.9155	0.9155	0.9186	******
1394	0.361	1.66	2.11	1.47	0.000	0.476	0.967	0.990	0.9238	0.9238	0.9253	0.9253	0.9290	******
1395	0.362	1.65	2.51	1.73	0.000	0.399	0.968	0.984	0.9126	0.9126	0.9137	0.9137	0.9171	******
1396	0.358	1.67	2.75	1.68	0.000	0.365	0.968	0.981	0.9085	0.9085	0.9095	0.9095	0.9126	******
1397	0.358	1.67	3.12	2.13	0.000	0.323	0.967	0.979	0.9060	0.9060	0.9068	0.9068	0.9094	******
1398	0.363	1.65	3.62	2.50	0.000	0.277	0.969	0.973	0.9327	0.9327	0.9333	0.9333	0.9355	******
1399	0.359	1.65	3.79	2.61	0.000	0.264	0.969	0.975	0.9363	0.9363	0.9369	0.9369	0.9389	******
1400	0.361	1.65	3.79	2.61	0.000	0.265	0.969	0.974	0.9362	0.9362	0.9368	0.9368	0.9388	******
1401	0.365	1.65	3.62	2.50	0.000	0.277	0.970	0.972	0.9331	0.9331	0.9338	0.9338	0.9359	******
1402	0.359	1.66	3.12	2.13	0.000	0.323	0.968	0.979	0.9089	0.9089	0.9097	0.9097	0.9123	******
1403	0.359	1.67	2.76	1.88	0.000	0.364	0.967	0.980	0.9094	0.9094	0.9103	0.9103	0.9134	******
1404	0.362	1.63	2.11	1.47	0.000	0.476	0.967	0.979	0.9301	0.9301	0.9316	0.9316	0.9353	******
1405	0.359	1.66	1.82	1.26	0.000	0.551	0.965	0.960	0.9192	0.9192	0.9212	0.9212	0.9246	******
1406	0.363	1.69	3.42	2.02	0.000	0.295	0.970	0.963	0.9176	0.9176	0.9184	0.9184	0.9207	******
1407	0.360	1.66	3.63	2.37	0.000	0.291	0.970	0.975	0.9265	0.9265	0.9272	0.9272	0.9296	******

Run 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT PEC 10/24/79 03:27:43.456 FAC 8X6X1 PGM 0036 PAC 1348

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.211	0.98248	0.54316	0.91919	0.72200
37	14.470	1.0004	0.55337	0.93597	0.82000
47	14.565	1.0070	0.55870	0.94210	0.91900
52	14.605	1.0097	0.55822	0.94448	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.331	0.99076	0.54773	0.92693	0.42200
67	14.236	0.98421	0.54411	0.92080	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.529	0.86622	0.47888	0.81041	0.50800
82	16.022	1.1077	0.61238	1.0363	0.58700
92	14.415	0.99663	0.55098	0.93242	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.386	0.99456	0.54983	0.93048	-1.0000
-112	14.381	0.99421	0.54964	0.93016	-1.0000
-122	14.376	0.99387	0.54945	0.92984	-1.0000
-127	14.386	0.99456	0.54983	0.93048	-1.0000
-137	14.356	0.99249	0.54869	0.92855	-1.0000
-142	14.271	0.98662	0.54545	0.92306	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.386	0.99456	0.54983	0.93048	0.39800
112	14.381	0.99421	0.54964	0.93016	0.43100
122	14.376	0.99387	0.54945	0.92984	0.44900
127	14.386	0.99456	0.54983	0.93048	0.48600
137	14.356	0.99249	0.54869	0.92855	0.52200
142	14.271	0.98662	0.54545	0.92306	0.58800
-152	14.426	0.99732	0.55136	0.93307	-1.0000
-157	14.426	0.99732	0.55136	0.93307	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.425	0.99732	0.55136	0.93307	-1.0000
-157	14.425	0.99732	0.55136	0.93307	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.425	0.99732	0.55136	0.93307	0.79300
172	14.425	0.99732	0.55136	0.93307	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.822	0.95557	0.52828	0.89401	0.79300
187	13.717	0.94833	0.52428	0.88723	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 297.31 FIC 296.33 SIGMA IC 2.7491 FTAPE-0.939458 DSM 0.321821 CFM 0.9932133

RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFII REC 10/24/79 03:25:09.093 FSF 9X6X1 PG# C934 PRG 1349

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	13.922	0.96250	0.45664	0.76444	0.72200
37	14.821	1.0246	0.48609	0.81375	0.82000
47	15.085	1.0429	0.49477	0.82827	0.91900
52	15.185	1.0499	0.49806	0.83375	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	14.571	1.0073	0.47791	0.80005	0.62200
67	14.107	0.97526	0.46269	0.77458	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	12.311	0.85107	0.40377	0.67594	0.50000
82	16.826	1.1632	0.55188	0.92398	0.58300
92	14.402	0.99562	0.47235	0.79074	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.377	0.99389	0.47153	0.78937	-1.0000
-112	14.367	0.99320	0.47120	0.78882	-1.0000
-122	14.352	0.99217	0.47071	0.78800	-1.0000
-127	14.372	0.99355	0.47137	0.78910	-1.0000
-137	14.332	0.99079	0.47006	0.78690	-1.0000
-142	14.262	0.98596	0.46777	0.78307	-1.0000

>ADDITIONAL PRESSURE RATIOS , EXPERDV INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.377	0.99389	0.47153	0.78937	0.39000
112	14.367	0.99320	0.47120	0.78882	0.43100
122	14.352	0.99217	0.47071	0.78800	0.44900
127	14.372	0.99355	0.47137	0.78910	0.48600
137	14.332	0.99079	0.47006	0.78690	0.52200
142	14.262	0.98596	0.46777	0.78307	0.58000
152	14.416	0.99665	0.47284	0.79156	-1.0000
152	14.416	0.99665	0.47284	0.79156	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.416	0.99665	0.47284	0.79156	-1.0000
-152	14.416	0.99665	0.47284	0.79156	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.421	0.99700	0.47300	0.79184	0.79300
172	14.421	0.99700	0.47300	0.79184	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.718	0.94836	0.44993	0.75321	0.79300
187	13.578	0.93870	0.44534	0.74553	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

PE-P0 428.37 PT 427.67 SIGMA IC 1.4762 FTARF-0.26267 DS# 0.012371 CF# 0.0033970

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.259	0.83645	0.33565	0.56497	0.72200
37	14.908	1.0316	0.41494	0.69843	0.82000
47	15.711	1.0871	0.43730	0.73606	0.91900
52	15.911	1.1009	0.44285	0.74540	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.713	1.0181	0.40953	0.68932	0.42200
67	12.518	0.86621	0.34843	0.58648	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.2714	0.57234	0.23022	0.38751	0.50800
82	20.659	1.4295	0.57501	0.96786	0.58300
92	14.386	0.99532	0.40036	0.67389	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.334	0.99187	0.39897	0.67156	-1.0000
-112	14.329	0.99152	0.39884	0.67132	-1.0000
-122	14.329	0.99147	0.39884	0.67132	-1.0000
-127	14.349	0.99290	0.39939	0.67226	-1.0000
-137	14.314	0.99048	0.39842	0.67062	-1.0000
-142	14.265	0.98703	0.39703	0.66828	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.334	0.99187	0.39897	0.67156	0.39800
112	14.329	0.99152	0.39884	0.67132	0.43100
122	14.329	0.99152	0.39884	0.67132	0.44900
127	14.349	0.99290	0.39939	0.67226	0.48600
137	14.314	0.99048	0.39842	0.67062	0.52200
142	14.265	0.98703	0.39703	0.66828	0.58800
152	14.399	0.99635	0.40078	0.67459	1.0000
157	14.399	0.99635	0.40078	0.67459	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.399	0.99635	0.40078	0.67459	-1.0000
-157	14.399	0.99635	0.40078	0.67459	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.399	0.99635	0.40078	0.67459	0.79300
172	14.399	0.99635	0.40078	0.67459	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.601	0.94113	0.37856	0.63720	0.79300
187	13.421	0.92869	0.37356	0.62878	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 573.02 FIT 571.32 SIGMA IF 1.3847 FTARF 0.10131 DSM 0.3369053 DF# 0.0035870

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RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT REC 10/24/79 03:31:24.556 FAC 9X6#1 PGM F036 PNS 1351

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	8.1684	0.56431	0.18172	0.30773	0.72200
37	16.458	1.1368	0.36702	0.62155	0.82000
47	17.675	1.2241	0.39417	0.66752	0.91500
52	17.630	1.2209	0.39317	0.66582	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	18.244	1.2634	0.40685	0.68899	0.42200
67	15.749	1.0907	0.35122	0.59479	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	10.560	0.73129	0.23549	0.39880	0.50800
82	14.976	1.0371	0.33398	0.56559	0.58300
92	14.362	0.99465	0.32029	0.54241	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.302	0.99049	0.31896	0.54015	-1.0000
-112	14.297	0.99014	0.31885	0.53996	-1.0000
-122	14.297	0.99014	0.31885	0.53996	-1.0000
-127	14.322	0.99187	0.31940	0.54090	-1.0000
-137	14.287	0.98945	0.31862	0.53958	-1.0000
-142	14.258	0.98739	0.31796	0.53845	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.302	0.99049	0.31896	0.54015	0.39800
112	14.297	0.99014	0.31885	0.53996	0.43100
122	14.297	0.99014	0.31885	0.53996	0.44900
127	14.322	0.99187	0.31940	0.54090	0.48600
137	14.287	0.98945	0.31862	0.53958	0.52200
142	14.258	0.98738	0.31796	0.53845	0.58800
-152	14.387	0.99636	0.32085	0.54335	-1.0000
-157	14.387	0.99636	0.32085	0.54335	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN EXPORT DUCT

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.387	0.99636	0.32085	0.54335	-1.0000
-157	14.387	0.99636	0.32085	0.54335	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.392	0.99671	0.32096	0.54356	0.79300
172	14.392	0.99671	0.32096	0.54356	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.474	0.93313	0.30049	0.50887	0.79300
187	13.790	0.91965	0.29615	0.50152	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=01 795.69 FIC 756.20 SIGMA = 1.0506 ETAPF 0.71693 DSM 0.064990 DFM 0.0029066

RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 03:32:35.823 FAC AX6X1 PGM C036 RDG 1352

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.837	0.95886	0.26680	0.45291	0.72200
37	14.101	1.1158	0.31047	0.52703	0.82000
47	12.794	0.88661	0.24669	0.41878	0.91900
52	18.790	1.3021	0.36239	0.61533	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	21.428	1.4849	0.41318	0.70139	0.42200
67	18.455	1.2789	0.35586	0.60409	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.220	0.84694	0.23563	0.40000	0.50900
82	17.373	1.2039	0.33499	0.56866	0.58300
92	14.360	0.99516	0.27690	0.47005	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.240	0.98963	0.27536	0.46756	-1.0000
-112	14.271	0.98894	0.27517	0.46711	-1.0000
-122	14.261	0.98825	0.27497	0.46678	-1.0000
-127	14.295	0.99067	0.27565	0.46793	-1.0000
-137	14.251	0.98755	0.27478	0.46646	-1.0000
-142	14.211	0.98479	0.27401	0.46515	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.240	0.98963	0.27536	0.46744	0.39800
112	14.271	0.98894	0.27517	0.46711	0.43100
122	14.261	0.98825	0.27497	0.46678	0.44900
127	14.295	0.99067	0.27565	0.46793	0.48600
137	14.251	0.98755	0.27478	0.46646	0.52200
142	14.211	0.98479	0.27401	0.46515	0.58800
152	14.390	0.99723	0.27748	0.47103	1.0000
157	14.395	0.99758	0.27757	0.47119	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.390	0.99723	0.27748	0.47103	-1.0000
-157	14.395	0.99758	0.27757	0.47119	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
147	14.390	0.99723	0.27748	0.47103	0.79300
172	14.395	0.99758	0.27757	0.47119	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.398	0.92844	0.25833	0.43875	0.79300
187	13.178	0.91323	0.25410	0.43135	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-31) 1037.8 FIC 1006.3 SIGMA IC 2.8622 ETAPF 0.35028 DSM 0.066067 CFM 0.0029019

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NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 02:33:43.373 FAC AEAP1 PGM F036 PRG 1359

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	9.3540	0.64850	0.16343	0.27663	0.72200
37	10.113	1.2559	0.31646	0.53566	0.82000
47	14.221	0.99592	0.24846	0.42056	0.91900
52	20.396	1.3924	0.35089	0.59394	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	23.039	1.5972	0.40250	0.68130	0.42200
67	18.427	1.2775	0.32195	0.54495	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.432	0.93125	0.23469	0.39724	0.50800
82	19.171	1.3291	0.33494	0.56694	0.58300
92	14.356	0.99526	0.25081	0.42454	0.67000

>ADDITIONAL PRESSURE RATIOS , EXISTING SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.266	0.98903	0.24924	0.42188	-1.0000
-112	14.261	0.98868	0.24915	0.42174	-1.0000
-122	14.241	0.98730	0.24881	0.42115	-1.0000
-127	14.236	0.99041	0.24956	0.42247	-1.0000
-137	14.251	0.98799	0.24898	0.42144	-1.0000
-142	14.216	0.98557	0.24837	0.42041	-1.0000

>ADDITIONAL PRESSURE RATIOS , ENERGY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.266	0.98903	0.24924	0.42188	0.39800
112	14.261	0.98868	0.24915	0.42174	0.43100
122	14.241	0.98730	0.24881	0.42115	0.44900
127	14.236	0.99041	0.24956	0.42247	0.49600
137	14.251	0.98799	0.24898	0.42144	0.52200
142	14.216	0.98557	0.24837	0.42041	0.54800
-152	14.381	0.99699	0.25125	0.42528	-1.0000
-157	14.346	0.99733	0.25133	0.42543	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.381	0.99699	0.25125	0.42528	-1.0000
-157	14.346	0.99733	0.25133	0.42543	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.381	0.99699	0.25125	0.42528	0.79300
172	14.346	0.99733	0.25133	0.42543	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.487	0.93505	0.23564	0.39886	0.79300
187	13.298	0.92191	0.23233	0.39325	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-TI 1158.8 FIT 1157.3 SIGMA FG 2.6336 FTARE 0.42937 DFW 0.075433 DFW 0.002675

RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 03:34:46.902 F4C 4X4X1 PGM F034 PRG 1394

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	9.3447	0.66762	0.16221	0.27445	0.72200
37	18.298	1.2619	0.31607	0.53478	0.82000
47	14.321	0.99252	0.24859	0.42062	0.91900
52	20.164	1.3975	0.35002	0.59223	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	23.158	1.6049	0.40199	0.68015	0.42200
67	16.423	1.2768	0.31979	0.54108	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.558	0.93961	0.23534	0.39819	0.50800
82	19.316	1.3387	0.33530	0.56731	0.58300
92	14.356	0.99494	0.24920	0.42164	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.271	0.98906	0.24773	0.41915	-1.0000
-112	14.261	0.98837	0.24756	0.41886	-1.0000
-122	14.256	0.98803	0.24747	0.41871	-1.0000
-127	14.291	0.99045	0.24808	0.41974	-1.0000
-137	14.256	0.98803	0.24747	0.41871	-1.0000
-142	14.221	0.98561	0.24686	0.41769	-1.0000

>ADDITIONAL PRESSURE RATIOS , EPPERCOV INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.271	0.98906	0.24773	0.41915	0.39800
112	14.261	0.98837	0.24756	0.41886	0.43100
122	14.256	0.98803	0.24747	0.41871	0.44900
127	14.291	0.99045	0.24808	0.41974	0.48600
137	14.256	0.98803	0.24747	0.41871	0.52200
142	14.221	0.98561	0.24686	0.41769	0.58800
-152	14.391	0.99737	0.24981	0.42267	-1.0000
-157	14.391	0.99737	0.24981	0.42267	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.391	0.99737	0.24981	0.42267	-1.0000
-157	14.391	0.99737	0.24981	0.42267	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.391	0.99737	0.24981	0.42267	0.79300
172	14.386	0.99702	0.24972	0.42252	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.503	0.93580	0.23439	0.39658	0.79300
187	13.313	0.92266	0.23110	0.39101	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

EF-DI 1169.6 FIC 1167.9 SIGMA IC 2.5319 FTARE 3.65265 DSM 0.076666 CFM 0.0028631

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 03:36:34.219 FAC RX6X1 PGM C094 PAG 1355

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.235	0.91648	0.25472	0.43247	0.72200
37	16.118	1.1161	0.31022	0.52669	0.82000
47	12.781	0.88504	0.24598	0.41764	0.91900
52	18.877	1.3023	0.36196	0.61455	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	21.415	1.4830	0.41217	0.69979	0.42200
67	18.413	1.2750	0.35438	0.60167	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.302	0.85187	0.23676	0.40198	0.50800
82	17.465	1.2094	0.33614	0.57070	0.58300
92	14.372	0.99525	0.27661	0.46964	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.287	0.98937	0.27498	0.46687	-1.0000
-112	14.273	0.98834	0.27469	0.46638	-1.0000
-122	14.273	0.98834	0.27469	0.46638	-1.0000
-127	14.307	0.99075	0.27537	0.46752	-1.0000
-137	14.263	0.98765	0.27450	0.46606	-1.0000
-142	14.218	0.98454	0.27364	0.46459	-1.0000

>ADDITIONAL PRESSURE RATIOS , EXPERMDY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.287	0.98937	0.27498	0.46687	0.39800
112	14.273	0.98834	0.27469	0.46638	0.43100
122	14.273	0.98834	0.27469	0.46638	0.44900
127	14.307	0.99075	0.27537	0.46752	0.48600
137	14.263	0.98765	0.27450	0.46606	0.52200
142	14.218	0.98454	0.27364	0.46459	0.58800
-152	14.397	0.99697	0.27719	0.47062	-1.0000
-157	14.407	0.99766	0.27729	0.47079	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.397	0.99697	0.27719	0.47046	-1.0000
-157	14.407	0.99766	0.27729	0.47079	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.402	0.99732	0.27719	0.47062	0.79300
172	14.402	0.99732	0.27719	0.47062	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.409	0.92857	0.25808	0.43818	0.79300
187	13.205	0.91440	0.25415	0.43149	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-31 1007.0 FIC 1006.0 SIGMA IC 1.6508 ETADF-0.043229 DSW 0.043949 FGW 0.0030387

Run 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REF 10/24/79 03:3P:27.84P FAC 8X8X1 PG= 0074 PDG 1356

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	8.1036	0.56166	0.18183	0.30832	0.72200
37	16.486	1.1427	0.36991	0.62724	0.92000
47	17.619	1.2207	0.39533	0.67034	0.91900
52	17.584	1.2183	0.39454	0.66901	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	18.138	1.2567	0.40697	0.69009	0.42200
67	15.647	1.0841	0.35109	0.59534	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	10.556	0.73135	0.23685	0.40161	0.50800
82	14.944	1.0354	0.33530	0.56856	0.58300
92	14.370	0.99560	0.32262	0.54673	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.310	0.99145	0.32108	0.54445	-1.0000
-112	14.310	0.99145	0.32108	0.54445	-1.0000
-122	14.300	0.99076	0.32086	0.54407	-1.0000
-127	14.330	0.99283	0.32153	0.54521	-1.0000
-137	14.295	0.99041	0.32074	0.54388	-1.0000
-162	14.260	0.98799	0.31996	0.54255	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.310	0.99145	0.32108	0.54445	0.39800
112	14.310	0.99145	0.32108	0.54445	0.43100
122	14.300	0.99076	0.32086	0.54407	0.44900
127	14.330	0.99283	0.32153	0.54521	0.48600
137	14.295	0.99041	0.32074	0.54388	0.52200
142	14.260	0.98799	0.31996	0.54255	0.58800
152	14.395	0.99733	0.32298	0.54767	-1.0000
157	14.395	0.99733	0.32298	0.54767	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.395	0.99733	0.32298	0.54767	-1.0000
-157	14.395	0.99733	0.32298	0.54767	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.395	0.99733	0.32298	0.54767	0.79300
172	14.390	0.99698	0.32287	0.54748	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.476	0.93370	0.30238	0.51273	0.79300
187	13.271	0.91952	0.29778	0.50494	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 785.66 FIC 782.88 SIGMA FC 1.7352 FTAPE 0.69724 DSM 0.047186 DFN 0.0328963

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P.RUN 220

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.056	0.83465	0.33415	0.56219	0.72200
37	14.934	1.0341	0.41398	0.69652	0.82000
47	15.743	1.0901	0.43640	0.73423	0.91900
52	15.937	1.1035	0.44179	0.74331	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.794	1.0237	0.40983	0.68954	0.42200
67	12.568	0.87025	0.34840	0.58618	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.2342	0.57015	0.22826	0.38404	0.50800
82	20.763	1.4377	0.57556	0.96837	0.58300
92	14.400	0.99709	0.39918	0.67161	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.350	0.99363	0.39780	0.66929	-1.0000
-112	14.340	0.99294	0.39752	0.66882	-1.0000
-122	14.335	0.99260	0.39738	0.66859	-1.0000
-127	14.355	0.99398	0.39794	0.66952	-1.0000
-137	14.320	0.99156	0.39697	0.66789	-1.0000
-142	14.270	0.98811	0.39558	0.66556	-1.0000

>ADDITIONAL PRESSURE RATIOS , FDFRBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.350	0.99363	0.39780	0.66929	0.39400
112	14.340	0.99294	0.39752	0.66882	0.43100
122	14.335	0.99260	0.39738	0.66859	0.44900
127	14.355	0.99398	0.39794	0.66952	0.48600
137	14.320	0.99156	0.39697	0.66789	0.52200
142	14.270	0.98811	0.39558	0.66556	0.58800
-152	14.410	0.99778	0.39946	0.67209	-1.0000
-157	14.415	0.99813	0.39960	0.67231	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PTAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.410	0.99778	0.39946	0.67209	-1.0000
-157	14.415	0.99813	0.39960	0.67231	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.415	0.99813	0.39960	0.67231	0.79300
172	14.415	0.99813	0.39960	0.67231	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.607	0.94214	0.37718	0.63460	0.79300
187	13.427	0.92970	0.37220	0.62622	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FF-31 572.73 FF 571.62 SIGMA FF 1.7718 ETARF 0.090650 DSM 0.027370 DEM 0.0331415

RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CANDELI REC 10/24/79 03:42:04.953 FAC 9X6X1 PGM C034 RNG 1358

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	13.961	0.96566	0.46230	0.77561	0.72200
37	14.799	1.0236	0.49006	0.82218	0.82000
47	15.048	1.0409	0.49832	0.83604	0.91900
52	15.148	1.0478	0.50162	0.84158	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	14.569	1.0078	0.48246	0.80943	0.42200
67	14.135	0.97773	0.46808	0.79531	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	12.369	0.85556	0.40959	0.68718	0.50800
82	16.660	1.1523	0.55167	0.92556	0.58300
92	14.410	0.99672	0.47717	0.80056	0.67000

>ADDITIONAL PRESSURE RATIOS , COLLECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.375	0.99430	0.47601	0.79862	-1.0000
-112	14.365	0.99361	0.47568	0.79806	-1.0000
-122	14.355	0.99292	0.47535	0.79751	-1.0000
-127	14.375	0.99430	0.47601	0.79862	-1.0000
-137	14.335	0.99154	0.47469	0.79640	-1.0000
-142	14.260	0.99636	0.47221	0.79224	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.375	0.99430	0.47601	0.79862	0.39800
112	14.365	0.99361	0.47568	0.79806	0.43100
122	14.355	0.99292	0.47535	0.79751	0.44900
127	14.375	0.99430	0.47601	0.79862	0.48600
137	14.335	0.99154	0.47469	0.79640	0.52200
142	14.260	0.98636	0.47221	0.79224	0.58800
-152	14.425	0.99775	0.47766	0.80139	-1.0000
-157	14.420	0.99741	0.47750	0.80111	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.425	0.99775	0.47766	0.80139	-1.0000
-157	14.420	0.99741	0.47750	0.80111	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.425	0.99775	0.47766	0.80139	0.79300
172	14.425	0.99775	0.47766	0.80139	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.721	0.94909	0.45437	0.76291	0.79300
187	13.571	0.94012	0.45007	0.75510	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 415.05 FIC 414.34 SIGMA IC 1.2698 FTARE-0.015220 DSP 0.021766 CFM 0.0332089

RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 13/24/79 07:44:21.133 FOR AVAVI PGM C936 PRG 1359

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	14.210	0.99237	0.54614	0.92188	0.72200
37	14.440	0.99941	0.55573	0.93806	1.82000
47	14.554	1.0067	0.55937	0.94421	0.91000
52	14.594	1.0089	0.56000	0.94680	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
52	14.340	0.99134	0.55113	0.93029	0.42200
67	14.230	0.98375	0.54691	0.92317	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	12.544	0.86716	0.48209	0.81376	0.50800
82	15.966	1.1038	0.61363	1.0358	0.58300
92	14.415	0.99651	0.55400	0.93515	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.390	0.99478	0.55304	0.93353	-1.0000
-112	14.380	0.99509	0.55266	0.93288	-1.0000
-122	14.375	0.99375	0.55247	0.93256	-1.0000
-127	14.390	0.99478	0.55304	0.93353	-1.0000
-137	14.355	0.99237	0.55170	0.93126	-1.0000
-142	14.275	0.98685	0.54863	0.92608	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.390	0.99478	0.55304	0.93353	0.39800
112	14.380	0.99409	0.55266	0.93288	0.43100
122	14.375	0.99375	0.55247	0.93256	0.44900
127	14.390	0.99478	0.55304	0.93353	0.48600
137	14.355	0.99237	0.55170	0.93126	0.52200
142	14.275	0.98685	0.54863	0.92608	0.58800
152	14.435	0.99789	0.55477	0.93644	1.0000
162	14.430	0.99754	0.55458	0.93612	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.435	0.99789	0.55477	0.93644	-1.0000
-162	14.430	0.99754	0.55458	0.93612	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.430	0.99754	0.55458	0.93612	0.79300
172	14.425	0.99720	0.55439	0.93579	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.836	0.95650	0.53176	0.89760	0.79300
187	13.746	0.95029	0.52831	0.89178	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

WF-01 295.16 FIC 284.47 SIGMA IC 1.0330 ETADF=0.52279 DSM 0.310379 FFM 0.3334611

Run 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDETT REC 10/24/79 03:45:39.566 FAC 4X6X1 PG# C034 PRG 1360

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.210	0.98328	0.54757	0.92124	0.72200
37	14.459	1.0005	0.55718	0.93741	0.82000
47	14.544	1.0064	0.56065	0.94290	0.91900
52	14.586	1.0092	0.56198	0.94549	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.319	0.99088	0.55180	0.92835	0.42200
67	14.225	0.98432	0.54814	0.92271	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.518	0.86625	0.48240	0.81159	0.50800
82	15.976	1.1055	0.61561	1.0357	0.58300
92	14.409	0.99709	0.55526	0.93417	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.394	0.99636	0.55629	0.93256	-1.0000
-112	14.379	0.99502	0.55610	0.93223	-1.0000
-122	14.374	0.99467	0.55391	0.93191	-1.0000
-127	14.379	0.99502	0.55610	0.93223	-1.0000
-137	14.354	0.99329	0.55314	0.93062	-1.0000
-142	14.275	0.98777	0.55007	0.92544	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.384	0.99536	0.55429	0.93256	0.39800
112	14.379	0.99502	0.55610	0.93223	0.43100
122	14.374	0.99467	0.55391	0.93191	0.44900
127	14.379	0.99502	0.55610	0.93223	0.48600
137	14.354	0.99329	0.55314	0.93062	0.52200
142	14.275	0.98777	0.55007	0.92544	0.58800
-152	14.424	0.99813	0.55589	0.93514	-1.0000
-157	14.419	0.99778	0.55564	0.93482	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.424	0.99813	0.55589	0.93514	-1.0000
-157	14.419	0.99778	0.55564	0.93482	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.419	0.99778	0.55564	0.93482	0.79300
172	14.419	0.99778	0.55564	0.93482	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.921	0.95636	0.53257	0.89601	0.79300
187	13.731	0.95014	0.52911	0.89019	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-G) 287.25 FIC 295.82 SIGMA LC 1.7510 ETARF 0.48511 DS# 0.047556 CFG 0.002979

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RUN 22

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	11.824	0.81820	0.29836	0.50399	0.72200
37	14.958	1.0351	0.37744	0.63758	0.82000
47	16.205	1.1214	0.40892	0.69075	0.91900
52	16.454	1.1386	0.41522	0.70139	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	16.015	1.1083	0.40414	0.68267	0.42200
67	13.186	0.91248	0.33274	0.56207	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.1680	0.63443	0.23135	0.39079	0.50800
82	18.999	1.3147	0.47942	0.80985	0.58300
92	14.384	0.99536	0.36296	0.61312	0.67003

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.339	0.99225	0.36183	0.61121	-1.0000
-112	14.329	0.99156	0.36158	0.61078	-1.0000
-122	14.329	0.99156	0.36158	0.61078	-1.0000
-127	14.349	0.99294	0.36208	0.61163	-1.0000
-137	14.319	0.99087	0.36133	0.61036	-1.0000
-142	14.274	0.98776	0.36019	0.60844	-1.0000

>ADDITIONAL PRESSURE RATIOS , EXPERDY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.339	0.99225	0.36183	0.61121	0.39800
112	14.329	0.99156	0.36158	0.61078	0.43100
122	14.329	0.99156	0.36158	0.61078	0.44900
127	14.349	0.99294	0.36208	0.61163	0.48600
137	14.319	0.99087	0.36133	0.61036	0.52200
142	14.274	0.98776	0.36019	0.60844	0.58800
-152	14.409	0.99708	0.36358	0.61418	-1.0000
-157	14.409	0.99708	0.36358	0.61418	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXAT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.409	0.99708	0.36358	0.61418	-1.0000
-157	14.409	0.99708	0.36358	0.61418	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.434	0.99874	0.36447	0.61397	0.79300
172	14.409	0.99708	0.36359	0.61418	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.540	0.93976	0.34269	0.57887	0.79300
187	13.391	0.92864	0.33791	0.57079	0.84400

>OPTION 6 , MEASURED THRUST PARAMETERS

IF-11 657.83 FIC 657.00 SIGMA IF 1.0732 ETAPF=0.97270 DSM 0.014479 CFM 0.9933362

RUN 22

MASS-FLWIS PRELIMINARY DATA 06/13/79 C&DDFII REC 10/24/79 03:50:14.996 F&C 8X&XI PGM C036 BNG 1962

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	9.4725	0.65628	0.19807	0.33645	0.72200
37	14.293	0.99028	0.29887	0.50768	0.82000
47	18.075	1.2523	0.37795	0.64199	0.91900
52	18.175	1.2592	0.38003	0.64553	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	19.586	1.3570	0.40955	0.69568	0.42200
67	18.918	1.1721	0.35375	0.60088	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	11.296	0.78250	0.23617	0.40116	0.50800
82	16.000	1.1085	0.33455	0.56828	0.58300
92	16.368	0.99567	0.30044	0.51033	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.293	0.99028	0.29887	0.50768	-1.0000
-112	14.278	0.98925	0.29856	0.50716	-1.0000
-122	14.293	0.98959	0.29867	0.50732	-1.0000
-127	14.308	0.99132	0.29919	0.50821	-1.0000
-137	14.273	0.98890	0.29846	0.50697	-1.0000
-142	14.238	0.98648	0.29773	0.50573	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.293	0.99028	0.29887	0.50768	0.39800
112	14.278	0.98925	0.29856	0.50716	0.43100
122	14.293	0.98959	0.29867	0.50732	0.44900
127	14.308	0.99132	0.29919	0.50821	0.48600
137	14.273	0.98890	0.29846	0.50697	0.52200
142	14.238	0.98648	0.29773	0.50573	0.58800
152	14.393	0.99720	0.30096	0.51122	-1.0000
157	14.390	0.99754	0.30107	0.51140	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLRP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.393	0.99720	0.30096	0.51122	-1.0000
-157	14.390	0.99754	0.30107	0.51140	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.393	0.99720	0.30096	0.51122	0.79300
172	14.393	0.99720	0.30096	0.51122	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.465	0.93290	0.28156	0.47826	0.79300
187	13.260	0.91872	0.27729	0.47099	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-7) A76.52 FIC A75.29 SIGMA IC 2.4967 ETAPF 0.16196 DSM 0.066891 DFM 0.002051

RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDETT PEC 10/24/79 03:52:52.151 FAC 9X6XI PGM C034 RNG 1363

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	9.3299	0.64631	0.19543	0.33101	0.72200
37	14.257	0.98759	0.29864	0.50580	0.82000
47	19.079	1.2524	0.37870	0.64140	0.91900
52	18.193	1.2603	0.38110	0.64547	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	19.620	1.3592	0.41100	0.69610	0.42200
67	16.926	1.1725	0.35456	0.60051	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	11.262	0.78015	0.23591	0.39955	0.50800
82	15.949	1.1062	0.33449	0.56652	0.58300
92	14.366	0.99520	0.30093	0.50969	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.291	0.99001	0.29937	0.50704	-1.0000
-112	14.291	0.98932	0.29916	0.50668	-1.0000
-122	14.291	0.98932	0.29916	0.50668	-1.0000
-127	14.306	0.99105	0.29968	0.50757	-1.0000
-137	14.246	0.98828	0.29884	0.50615	-1.0000
-142	14.232	0.98587	0.29811	0.50491	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.291	0.99001	0.29937	0.50704	0.39800
112	14.291	0.98932	0.29916	0.50668	0.42100
122	14.291	0.98932	0.29916	0.50668	0.44900
127	14.306	0.99105	0.29968	0.50757	0.48600
137	14.246	0.98828	0.29884	0.50615	0.52200
142	14.232	0.98587	0.29811	0.50491	0.58800
-152	14.391	0.99693	0.30146	0.51058	-1.0000
-157	14.391	0.99693	0.30146	0.51058	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	14.391	0.99693	0.30146	0.51058	-1.0000
-157	14.391	0.99693	0.30146	0.51058	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.391	0.99693	0.30146	0.51058	0.79300
172	14.391	0.99693	0.30146	0.51058	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	13.663	0.93263	0.28201	0.47764	0.79300
187	13.248	0.91776	0.27752	0.47003	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

PS-P1 875.78 PIC 876.86 SIGMA IC 1.5332 ETARF-0.097231 DSM 0.024511 DEM 0.0031778

RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 03:55:18.699 FRC RX6TI PGM C036 PPG 1364

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	11.823	0.81924	0.29855	0.50538	0.72200
37	14.941	1.0353	0.37729	0.63866	0.82000
47	16.174	1.1207	0.40840	0.69133	0.91900
52	16.439	1.1390	0.41508	0.70263	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	15.969	1.1065	0.40327	0.68258	0.42200
67	13.160	0.91190	0.33257	0.56253	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	9.1334	0.63286	0.23063	0.39040	0.50800
82	18.957	1.3135	0.47868	0.81029	0.58300
92	14.383	0.99659	0.36318	0.61478	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.333	0.99313	0.36192	0.61265	-1.0000
-112	14.323	0.99244	0.36167	0.61222	-1.0000
-122	14.323	0.99244	0.36167	0.61222	-1.0000
-127	14.343	0.99382	0.36217	0.61307	-1.0000
-137	14.318	0.99210	0.36154	0.61201	-1.0000
-142	14.269	0.98864	0.36028	0.60987	-1.0000

>ADDITIONAL PRESSURE RATIOS , FPERCOY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.333	0.99313	0.36192	0.61265	0.39800
112	14.323	0.99244	0.36167	0.61222	0.43100
122	14.323	0.99244	0.36167	0.61222	0.44900
127	14.343	0.99382	0.36217	0.61307	0.48600
137	14.318	0.99210	0.36154	0.61201	0.52200
142	14.269	0.98864	0.36028	0.60987	0.58200
152	14.438	0.99832	0.36381	0.61585	-1.0000
157	14.433	0.99797	0.36369	0.61563	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	14.438	0.99832	0.36381	0.61585	-1.0000
-157	14.433	0.99797	0.36369	0.61563	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.438	0.99832	0.36381	0.61585	0.79360
172	14.438	0.99832	0.36381	0.61585	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	13.583	0.94094	0.34290	0.58046	0.79300
187	13.395	0.92814	0.33824	0.57256	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=21 658.47 FIC 657.19 SIGMA FC 1.7268 ETAPF 0.22954 DSM 0.051415 FRM 1.0029656

NASA-LEWIS PRELIMINARY DATA 08/13/79 CADDELL REC 10/24/79 03:56:37.786 FOR 9X6X1 PGM C034 PDG 1365

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	11.995	0.82982	0.33168	0.55693	0.72200
37	14.974	1.0290	0.41130	0.69061	0.82000
47	15.737	1.0887	0.43516	0.73069	0.91900
52	15.942	1.1029	0.44082	0.74019	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.804	1.0242	0.40936	0.68737	0.42200
67	12.524	0.86642	0.34631	0.58149	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.2011	0.56736	0.22677	0.38078	0.50800
82	20.921	1.4476	0.57573	0.96673	0.58300
92	14.390	0.99553	0.39791	0.66814	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.343	0.99208	0.39653	0.66583	-1.0000
-112	14.335	0.99173	0.39639	0.66559	-1.0000
-122	14.335	0.99173	0.39639	0.66559	-1.0000
-127	14.352	0.99277	0.39681	0.66629	-1.0000
-137	14.325	0.99104	0.39612	0.66513	-1.0000
-142	14.275	0.98759	0.39474	0.66281	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.340	0.99208	0.39653	0.66583	0.39800
112	14.335	0.99173	0.39639	0.66559	0.43100
122	14.335	0.99173	0.39639	0.66559	0.44900
127	14.352	0.99277	0.39681	0.66629	0.48600
137	14.325	0.99104	0.39612	0.66513	0.52200
142	14.275	0.98759	0.39474	0.66281	0.58800
152	14.405	0.99656	0.39859	0.66926	1.0000
157	14.410	0.99691	0.39846	0.66907	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.405	0.99656	0.39859	0.66926	1.0000
-157	14.410	0.99691	0.39846	0.66907	1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.400	0.99622	0.39819	0.66861	0.79300
172	14.400	0.99622	0.39819	0.66861	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.597	0.94064	0.37597	0.63131	0.79300
187	13.417	0.92821	0.37101	0.62297	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

FE-PL 577.20 FIC 576.58 SIGMA-IC 2.5686 ETAPF=0.39308 DSW 0.0X8995 FSW 0.333778

RUN 22

VASA-ENGIS PRELIMINARY DATA 06/13/79 PADDEII PEC 10/24/79 03:57:36.639 FAC 8X6X1 PGM C034 PRG 1366

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.932	0.96425	0.53445	0.77613	0.72200
37	14.716	1.0185	0.56453	0.81981	0.82000
47	14.940	1.0341	0.57315	0.83232	0.91900
52	15.030	1.0403	0.57663	0.83733	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.566	1.0081	0.55878	0.81146	0.42200
67	14.156	0.97960	0.54307	0.78865	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.568	0.86989	0.48215	0.70018	0.50800
82	16.024	1.1091	0.61471	0.89268	0.58300
92	14.406	0.99708	0.55265	0.80256	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.371	0.99466	0.55131	0.80061	-1.0000
-112	14.371	0.99466	0.55131	0.80061	-1.0000
-122	14.366	0.99432	0.55112	0.80033	-1.0000
-127	14.376	0.99501	0.55150	0.80089	-1.0000
-137	14.346	0.99294	0.55035	0.79922	-1.0000
-142	14.271	0.98775	0.54748	0.79505	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.371	0.99466	0.55131	0.80061	0.39800
112	14.371	0.99466	0.55131	0.80061	0.43100
122	14.366	0.99432	0.55112	0.80033	0.44900
127	14.376	0.99501	0.55150	0.80089	0.48600
137	14.346	0.99294	0.55035	0.79922	0.52200
142	14.271	0.98775	0.54748	0.79505	0.58800
-152	14.416	0.99777	0.55303	0.80311	-1.0000
-157	14.421	0.99812	0.55323	0.80339	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.416	0.99777	0.55303	0.80311	-1.0000
-157	14.421	0.99812	0.55323	0.80339	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.416	0.99777	0.55303	0.80311	0.79300
172	14.416	0.99777	0.55303	0.80311	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.817	0.95630	0.53005	0.76973	0.79300
187	13.712	0.94904	0.52602	0.76389	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 337.67 FIS 336.47 SIGMA IC 1.5366 ETAPF 0.18166 DSM 0.024685 CFM 0.0031730

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL PEF 10/24/79 03:58:35.366 FAF AX6X1 PGM C036 RDC 1367

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.651	0.87534	0.41858	0.59805	0.72200
37	14.238	1.0336	0.49426	0.70618	0.82000
47	15.403	1.0658	0.50963	0.72814	0.91900
52	15.573	1.0775	0.51525	0.73617	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
52	15.028	1.0398	0.49724	0.71043	0.42200
67	13.530	0.93617	0.44766	0.63960	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.331	0.85322	0.40800	0.58293	0.50800
82	16.596	1.1483	0.54912	0.78456	0.58300
92	14.399	0.99630	0.47642	0.68069	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.354	0.99319	0.47493	0.67856	-1.0000
-112	14.344	0.99250	0.47460	0.67809	-1.0000
-122	14.344	0.99250	0.47460	0.67809	-1.0000
-127	14.350	0.99354	0.47509	0.67880	-1.0000
-137	14.319	0.99077	0.47377	0.67691	-1.0000
-142	14.244	0.98559	0.47129	0.67337	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.354	0.99319	0.47493	0.67856	0.39800
112	14.344	0.99250	0.47460	0.67809	0.43100
122	14.344	0.99250	0.47460	0.67809	0.44900
127	14.359	0.99354	0.47509	0.67880	0.48600
137	14.319	0.99077	0.47377	0.67691	0.52200
142	14.244	0.98559	0.47129	0.67337	0.58800
-152	14.409	0.99699	0.47675	0.68116	-1.0000
-157	14.414	0.99734	0.47691	0.68140	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.409	0.99699	0.47675	0.68116	-1.0000
-157	14.414	0.99734	0.47691	0.68140	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.414	0.99734	0.47691	0.68140	0.79300
172	14.414	0.99734	0.47691	0.68140	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.715	0.94896	0.45378	0.64834	0.79300
187	13.599	0.94092	0.44964	0.64244	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

EF-01 469.67 FIC 470.65 SIGMA IC 2.2679 ETAPF 0.0050704 DSM 0.019160 DFM 0.0032642

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.525	0.72889	0.39141	0.42168	0.72200
37	14.337	0.97005	0.38787	0.56125	0.87000
47	15.321	1.0956	0.43804	0.63285	0.91500
52	14.370	1.1337	0.45325	0.65584	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	16.865	1.1679	0.46694	0.67567	0.42200
67	13.133	0.90951	0.36763	0.52618	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.1811	0.56656	0.22651	0.32777	0.50900
82	20.775	1.4387	0.57521	0.83235	0.58300
92	14.397	0.99704	0.39862	0.57681	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.367	0.99358	0.39724	0.57481	-1.0000
-112	14.337	0.99288	0.39696	0.57441	-1.0000
-122	14.332	0.99254	0.39682	0.57421	-1.0000
-127	14.352	0.99392	0.39738	0.57501	-1.0000
-137	14.317	0.99150	0.39641	0.57361	-1.0000
-142	14.252	0.98700	0.39461	0.57101	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.367	0.99358	0.39724	0.57481	0.39800
112	14.337	0.99288	0.39696	0.57441	0.43100
122	14.332	0.99254	0.39682	0.57421	0.44900
127	14.352	0.99392	0.39738	0.57501	0.48600
137	14.317	0.99150	0.39641	0.57361	0.52200
142	14.252	0.98700	0.39461	0.57101	0.58800
-152	14.412	0.99807	0.39904	0.57741	-1.0000
-157	14.417	0.99842	0.39917	0.57761	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.412	0.99807	0.39904	0.57741	-1.0000
-157	14.417	0.99842	0.39917	0.57761	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.407	0.99773	0.39890	0.57721	0.79300
172	14.412	0.99807	0.39904	0.57741	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.623	0.94341	0.37718	0.54579	0.79300
187	13.668	0.94651	0.37834	0.54779	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

FG-FI 6210.98 FIG 6220.37 SIGMA FG 1.6411 FTRDF 1.54881 DFW 0.0000028 DFM 0.0000453

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RUN 12

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	8.7787	0.60873	0.19555	0.28753	0.72200
37	13.449	0.94646	0.33404	0.44705	0.82000
47	18.719	1.2633	0.40581	0.59669	0.91900
52	18.677	1.2951	0.41604	0.61174	1.0177

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	20.774	1.4405	0.46275	0.68042	0.42200
67	17.115	1.1868	0.38123	0.56055	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	10.512	0.72895	0.23417	0.34431	0.50900
82	14.977	1.0386	0.33363	0.49055	0.59300
92	14.353	0.99528	0.31972	0.47011	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.293	0.99113	0.31839	0.46815	-1.0000
-112	14.283	0.99044	0.31816	0.46782	-1.0000
-122	14.278	0.99009	0.31805	0.46766	-1.0000
-127	14.303	0.99182	0.31861	0.46847	-1.0000
-137	14.273	0.98974	0.31794	0.46749	-1.0000
-142	14.243	0.98766	0.31727	0.46651	-1.0000

>ADDITIONAL PRESSURE RATIOS , EXPERDYN INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.293	0.99113	0.31839	0.46815	0.39800
112	14.283	0.99044	0.31816	0.46782	0.43100
122	14.278	0.99009	0.31805	0.46766	0.44900
127	14.303	0.99182	0.31861	0.46847	0.48600
137	14.273	0.98974	0.31794	0.46749	0.52200
142	14.243	0.98766	0.31727	0.46651	0.58800
-147	14.383	0.99736	0.32039	0.47109	-1.0000
-157	14.379	0.99701	0.32028	0.47093	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-157	14.383	0.99736	0.32039	0.47109	-1.0000
-167	14.379	0.99701	0.32028	0.47093	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.378	0.99701	0.32028	0.47093	0.79300
172	14.378	0.99701	0.32028	0.47093	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	13.499	0.93607	0.30070	0.44214	0.79300
187	13.305	0.92256	0.29636	0.43576	0.84400

>OPTION 5 , MEASURED INPUT PARAMETERS

EF=31 849.97 FIC 868.17 SIGMA IC 2.2283 ETAPF 0.83648 DSM 0.065962 CFM 0.0429333

RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT REC 10/24/79 04:02:13.114 FAC 9X6XI PGM C936 PDG 1370

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	10.348	0.71709	0.19938	0.28874	0.72200
37	17.874	1.2386	0.34438	0.49874	0.82000
47	13.450	0.93203	0.25914	0.37530	0.91900
52	19.377	1.3428	0.37334	0.54068	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	24.619	1.7061	0.47435	0.68697	0.42200
67	20.355	1.4106	0.39219	0.56799	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.181	0.84413	0.23470	0.33990	0.50800
82	17.350	1.2023	0.33428	0.48412	0.58300
92	14.359	0.99502	0.27665	0.40066	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.274	0.98914	0.27502	0.39829	-1.0000
-112	14.269	0.98879	0.27492	0.39815	-1.0000
-122	14.274	0.98914	0.27502	0.39829	-1.0000
-127	14.299	0.99087	0.27550	0.39898	-1.0000
-137	14.259	0.98810	0.27473	0.39787	-1.0000
-142	14.229	0.98602	0.27415	0.39703	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.274	0.98914	0.27502	0.39829	0.39800
112	14.269	0.98879	0.27492	0.39815	0.43100
122	14.274	0.98914	0.27502	0.39829	0.44900
127	14.299	0.99087	0.27550	0.39898	0.48600
137	14.259	0.98810	0.27473	0.39787	0.52200
142	14.229	0.98602	0.27415	0.39703	0.58800
148	14.389	0.99710	0.27723	0.40149	1.0000
157	14.386	0.99675	0.27713	0.40135	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.389	0.99710	0.27723	0.40149	-1.0000
-157	14.386	0.99675	0.27713	0.40135	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.386	0.99675	0.2771[illegible]	0.40135	0.79300
172	14.389	0.99710	0.27723	0.40149	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.495	0.93515	0.26001	0.37655	0.79300
187	13.310	0.92234	0.25644	0.37139	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

[illegible]-21 1072.6 FIC 1071.1 SIGMA IC 2.6743 ETADF 0.46500 DSM 0.066865 CFM 0.0329041

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.447	0.72484	0.18265	0.26564	0.72200
37	20.180	1.4101	0.35282	0.51312	0.82000
47	15.292	1.0610	0.26736	0.38883	0.91900
52	20.560	1.4264	0.35945	0.52277	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	26.667	1.8501	0.46622	0.67805	0.42200
67	20.939	1.4458	0.36434	0.52987	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.374	0.92791	0.23383	0.34007	0.50800
82	19.127	1.3270	0.33440	0.48633	0.58300
92	14.343	0.99513	0.25077	0.36470	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.263	0.98958	0.24937	0.36267	-1.0000
-112	14.248	0.98855	0.24911	0.36229	-1.0000
-122	14.243	0.98820	0.24902	0.36216	-1.0000
-127	14.288	0.99132	0.24981	0.36331	-1.0000
-137	14.248	0.98855	0.24911	0.36229	-1.0000
-142	14.223	0.98681	0.24867	0.36166	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.263	0.98958	0.24937	0.36267	0.39800
112	14.248	0.98855	0.24911	0.36229	0.43100
122	14.243	0.98820	0.24902	0.36216	0.44900
127	14.288	0.99132	0.24981	0.36331	0.48600
137	14.248	0.98855	0.24911	0.36229	0.52200
142	14.223	0.98681	0.24867	0.36166	0.58800
-152	14.378	0.99755	0.25138	0.36559	-1.0000
-157	14.383	0.99790	0.25147	0.36572	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.378	0.99755	0.25138	0.36559	-1.0000
-157	14.383	0.99790	0.25147	0.36572	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.383	0.99790	0.25147	0.36572	0.79300
172	14.393	0.99790	0.25147	0.36572	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.589	0.94291	0.23759	0.34553	0.79300
187	13.424	0.93139	0.23470	0.34134	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

FE-01 1224.6 FIC 1223.1 SIGMA FC 2.8523 FTAPE 0.37954 DSM 0.060405 FEM 0.0329227

RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 04:03:59.724 FAC 8X6N1 PGM 0034 PRG 1372

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	10.464	0.72528	0.18243	0.26520	0.72200
37	20.243	1.4030	0.35291	0.51303	0.82000
47	15.364	1.0649	0.26786	0.38939	0.91900
52	20.562	1.4252	0.35848	0.52113	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	26.720	1.8520	0.46583	0.67718	0.42200
67	20.882	1.4473	0.36405	0.52923	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.401	0.92886	0.23364	0.33965	0.50800
82	19.179	1.3293	0.33437	0.48608	0.58300
92	14.345	0.99429	0.25010	0.36357	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.256	0.98805	0.24853	0.36129	-1.0000
-112	14.251	0.98771	0.24844	0.36116	-1.0000
-122	14.246	0.98736	0.24835	0.36104	-1.0000
-127	14.285	0.99013	0.24905	0.36205	-1.0000
-137	14.246	0.98736	0.24835	0.36104	-1.0000
-142	14.216	0.98529	0.24783	0.36028	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.256	0.98805	0.24853	0.36129	0.39800
112	14.251	0.98771	0.24844	0.36116	0.43100
122	14.246	0.98736	0.24835	0.36104	0.44900
127	14.285	0.99013	0.24905	0.36205	0.48600
137	14.246	0.98736	0.24835	0.36104	0.52200
142	14.216	0.98529	0.24783	0.36028	0.58800
-152	14.385	0.99705	0.25079	0.36458	-1.0000
-157	14.385	0.99705	0.25079	0.36458	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.385	0.99705	0.25079	0.36458	-1.0000
-157	14.385	0.99705	0.25079	0.36458	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.380	0.99671	0.25071	0.36445	0.79300
172	14.385	0.99705	0.25079	0.36458	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.586	0.94167	0.23686	0.34433	0.79300
187	13.431	0.93094	0.23416	0.34040	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

EF-01 1230.3 FIC 1229.0 SIGMA IC 2.6781 FTARE 0.26570 DSM 0.055502 FFM 0.0029665

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	10.341	0.71621	0.19926	0.28819	0.72200
37	17.929	1.2349	0.34356	0.49690	0.82000
47	13.407	0.92856	0.25934	0.37364	0.91900
52	19.307	1.3372	0.37203	0.53838	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	24.633	1.7061	0.47466	0.68651	0.42200
67	20.350	1.4095	0.39213	0.56715	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	12.128	0.84003	0.23371	0.33802	0.50800
82	17.335	1.1996	0.33346	0.48229	0.58300
92	14.350	0.99391	0.27652	0.39996	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.270	0.98838	0.27498	0.39771	-1.0000
-112	14.260	0.98769	0.27479	0.39743	-1.0000
-122	14.255	0.98734	0.27469	0.39729	-1.0000
-127	14.290	0.98976	0.27537	0.39827	-1.0000
-137	14.245	0.98665	0.27450	0.39701	-1.0000
-142	14.215	0.98458	0.27392	0.39618	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.270	0.98838	0.27498	0.39771	0.39800
112	14.260	0.98769	0.27479	0.39743	0.43100
122	14.255	0.98734	0.27469	0.39729	0.44900
127	14.290	0.98976	0.27537	0.39827	0.48600
137	14.245	0.98665	0.27450	0.39701	0.52200
142	14.215	0.98458	0.27392	0.39618	0.58800
-152	14.380	0.99600	0.27710	0.40077	-1.0000
-157	14.380	0.99599	0.27710	0.40077	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.380	0.99599	0.27710	0.40077	-1.0000
-157	14.380	0.99599	0.27710	0.40077	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.380	0.99599	0.27710	0.40077	0.79300
172	14.375	0.99564	0.27700	0.40063	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.481	0.93375	0.25978	0.37573	0.79300
187	13.292	0.92061	0.25613	0.37044	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

EF-01 1072.2 FIC 1071.3 SIGMA FC 2.0438 ETARF=1.19680 DSM 0.036867 CFM 0.9830551

Run 11

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	8.7120	0.60357	0.19443	0.28672	0.72200
37	13.556	0.93915	0.30253	0.44614	0.82000
47	19.118	1.2552	0.40435	0.59629	0.91500
52	18.632	1.2909	0.41582	0.61321	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
52	20.679	1.4326	0.46149	0.68056	0.42200
67	16.980	1.1764	0.37895	0.55884	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	10.430	0.72260	0.23277	0.34327	0.50800
82	14.929	1.0343	0.33317	0.49137	0.58300
92	14.350	0.99414	0.32024	0.47226	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.285	0.98965	0.31880	0.47012	-1.0000
-112	14.280	0.98930	0.31868	0.46996	-1.0000
-122	14.280	0.98930	0.31868	0.46996	-1.0000
-127	14.305	0.99103	0.31924	0.47078	-1.0000
-137	14.280	0.98930	0.31868	0.46996	-1.0000
-142	14.245	0.98688	0.31790	0.46881	-1.0000

>ADDITIONAL PRESSURE RATIOS , FUSEBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.285	0.98965	0.31880	0.47012	0.39800
112	14.280	0.98930	0.31868	0.46996	0.43100
122	14.280	0.98930	0.31868	0.46996	0.44900
127	14.305	0.99103	0.31924	0.47078	0.48600
137	14.280	0.98930	0.31868	0.46996	0.52200
142	14.245	0.98688	0.31790	0.46881	0.58900
-147	14.380	0.99622	0.32091	0.47325	-1.0000
-147	14.380	0.99622	0.32091	0.47325	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	14.380	0.99622	0.32091	0.47325	-1.0000
-157	14.380	0.99622	0.32091	0.47325	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.380	0.99622	0.32091	0.47325	0.79300
172	14.380	0.99622	0.32091	0.47325	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	13.486	0.93421	0.30097	0.44384	0.79300
187	13.291	0.92082	0.29662	0.43743	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=21 848.06 FJ= 866.45 SIGMA TT 2.0693 ETAPF 0.55416 DSM 0.050580 CFM 0.0079256

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	7.1693	0.49631	0.18002	0.26370	0.72200
37	14.595	1.0104	0.36649	0.53685	0.82000
47	16.791	1.1618	0.42139	0.61727	0.91900
52	17.265	1.1953	0.43355	0.63508	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	18.368	1.2716	0.46124	0.67566	0.42200
67	14.343	0.99278	0.36009	0.52749	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.0973	0.62981	0.22844	0.33463	0.50800
82	18.234	1.2623	0.45786	0.67070	0.58300
92	14.360	0.99416	0.36060	0.52822	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.305	0.99036	0.35927	0.52620	-1.0000
-112	14.295	0.98967	0.35897	0.52583	-1.0000
-122	14.290	0.98932	0.35884	0.52565	-1.0000
-127	14.315	0.99105	0.35947	0.52657	-1.0000
-137	14.285	0.98898	0.35872	0.52547	-1.0000
-142	14.225	0.98483	0.35721	0.52326	-1.0000

>ADDITIONAL PRESSURE RATIOS , EPPENDY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.305	0.99036	0.35927	0.52620	0.39800
112	14.295	0.98967	0.35897	0.52583	0.43100
122	14.290	0.98932	0.35884	0.52565	0.44900
127	14.315	0.99105	0.35947	0.52657	0.48600
137	14.285	0.98898	0.35872	0.52547	0.52200
142	14.225	0.98483	0.35721	0.52326	0.58800
-142	14.305	0.99089	0.36122	0.52914	-1.0000
-157	14.300	0.99554	0.36110	0.52896	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.305	0.99089	0.36122	0.52914	-1.0000
-157	14.300	0.99554	0.36110	0.52896	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.300	0.99554	0.36110	0.52896	0.79300
172	14.305	0.99589	0.36122	0.52914	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.576	0.93900	0.34092	0.49939	0.79300
187	13.392	0.92711	0.33628	0.49260	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-I) 714.14 FIC 713.43 SIGMA IC 1.3336 ETARF=0.31005 PFM 0.[illegible] FFM 0.[illegible]

RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL PEC 10/24/79 04:08:41.052 FAC RX6X1 PGM C034 RDC 1376

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	9.8922	0.68392	0.27445	0.39667	0.72200
37	13.947	0.96521	0.38733	0.55981	0.82000
47	15.769	1.0913	0.43793	0.63295	0.91900
52	16.333	1.1293	0.45276	0.65439	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	16.867	1.1659	0.46787	0.67622	0.42200
67	13.118	0.90786	0.36431	0.52655	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.0940	0.56017	0.22479	0.32489	0.50900
82	20.830	1.4416	0.57868	0.83610	0.58300
92	14.371	0.99458	0.39911	0.57684	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.316	0.99078	0.39750	0.57464	-1.0000
-112	14.311	0.99043	0.39745	0.57444	-1.0000
-122	14.311	0.99063	0.39745	0.57444	-1.0000
-127	14.331	0.99181	0.39800	0.57524	-1.0000
-137	14.306	0.99009	0.39731	0.57424	-1.0000
-142	14.246	0.98594	0.39565	0.57184	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.316	0.99078	0.39759	0.57464	0.39800
112	14.311	0.99043	0.39745	0.57444	0.43100
122	14.311	0.99043	0.39745	0.57444	0.44900
127	14.331	0.99181	0.39800	0.57524	0.48600
137	14.306	0.99009	0.39731	0.57424	0.52200
142	14.246	0.98594	0.39565	0.57184	0.58900
152	14.396	0.99631	0.39980	0.57785	-1.0000
157	14.391	0.99596	0.39967	0.57765	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.396	0.99631	0.39980	0.57785	-1.0000
-157	14.391	0.99596	0.39967	0.57765	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.391	0.99596	0.39967	0.57765	0.79300
172	14.396	0.99562	0.39953	0.57745	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.592	0.94068	0.37748	0.54558	0.79300
187	13.427	0.92928	0.37291	0.53897	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FS=31 620.06 FIC 619.28 SIGMA IC 1.2652 ETAPF=0.22389 DSM 0.010365 DFM 0.0036393

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.557	0.86869	0.41174	0.58984	0.72200
37	14.928	1.0327	0.48945	0.70122	0.82000
47	15.403	1.0655	0.50503	0.72349	0.91900
52	15.577	1.0776	0.51076	0.73169	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.048	1.0410	0.49341	0.70694	0.42200
67	13.501	0.93396	0.44268	0.63416	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.293	0.84970	0.40274	0.57695	0.50800
82	16.675	1.1501	0.54513	0.78092	0.58300
92	14.389	0.99562	0.47181	0.67589	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.344	0.99232	0.47034	0.67378	-1.0000
-112	14.344	0.99232	0.47034	0.67378	-1.0000
-122	14.336	0.99162	0.47001	0.67332	-1.0000
-127	14.349	0.99266	0.47050	0.67402	-1.0000
-137	14.315	0.99024	0.46936	0.67238	-1.0000
-142	14.230	0.98437	0.46657	0.66839	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.344	0.99232	0.47034	0.67378	0.39800
112	14.344	0.99232	0.47034	0.67378	0.43100
122	14.336	0.99162	0.47001	0.67332	0.44900
127	14.349	0.99266	0.47050	0.67402	0.48600
137	14.315	0.99024	0.46936	0.67238	0.52200
142	14.230	0.98437	0.46657	0.66839	0.58800
-152	14.434	0.99646	0.47239	0.67660	-1.0000
-157	14.429	0.99680	0.47247	0.67683	-1.0000

>ADDITIONAL PRESSURE RATIOS , CAN NOZZLE FLOW

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.434	0.99646	0.47239	0.67660	-1.0000
-157	14.429	0.99680	0.47247	0.67683	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.434	0.99646	0.47239	0.67660	0.79300
172	14.434	0.99646	0.47239	0.67660	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
187	13.706	0.94612	0.44939	0.64377	0.79300
187	13.556	0.93776	0.44448	0.63674	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=91 478.07 FIC 477.63 SIGMA FG 1.2019 FTARE=0.36226 DSW 0.00 AREA1 FEN 0.9935772

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.927	0.96371	0.53505	0.77640	0.72200
37	14.705	1.0176	0.56496	0.81979	0.82000
47	14.930	1.0331	0.57358	0.83231	0.91500
52	15.024	1.0397	0.57723	0.83760	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.555	1.0072	0.55921	0.81145	0.42200
67	14.166	0.98078	0.54425	0.78975	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.559	0.86909	0.48252	0.70017	0.50800
82	15.953	1.1039	0.61288	0.88933	0.58200
92	14.401	0.99651	0.55326	0.80282	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.371	0.99444	0.55211	0.80116	-1.0000
-112	14.366	0.99410	0.55192	0.80088	-1.0000
-122	14.366	0.99410	0.55192	0.80088	-1.0000
-127	14.376	0.99479	0.55231	0.80143	-1.0000
-137	14.341	0.99237	0.55096	0.79949	-1.0000
-142	14.281	0.98823	0.54866	0.79615	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.371	0.99444	0.55211	0.80116	0.39800
112	14.366	0.99410	0.55192	0.80088	0.43100
122	14.366	0.99410	0.55192	0.80088	0.44900
127	14.376	0.99479	0.55231	0.80143	0.48600
137	14.341	0.99237	0.55096	0.79949	0.52200
142	14.281	0.98823	0.54866	0.79615	0.58800
-152	14.411	0.99720	0.55365	0.80338	-1.0000
-157	14.411	0.99720	0.55365	0.80338	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.411	0.99720	0.55365	0.80338	-1.0000
-157	14.411	0.99720	0.55365	0.80338	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.411	0.99720	0.55365	0.80338	0.79300
172	14.411	0.99720	0.55365	0.80338	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.812	0.95577	0.53064	0.77000	0.79200
187	13.607	0.94783	0.52623	0.76360	0.84400

>OPTIONAL , MEASURED THRUST PARAMETERS

(F-D) 337.15 FIG 335.95 SIGMA IF 1.4835 ETAPF 0.17527 DSM 0.024469 CFM 0.9931723

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	9.7268	0.67460	0.20329	0.29715	0.72200
37	15.702	1.0543	0.31773	0.46441	0.82000
47	13.925	0.96573	0.29103	0.42539	0.91900
52	10.089	1.3230	0.39896	0.58315	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	22.377	1.5519	0.46768	0.68360	0.42200
67	18.440	1.2789	0.38541	0.56334	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	11.165	0.77431	0.23334	0.34107	0.50800
82	15.921	1.1042	0.33274	0.48636	0.58300
92	14.344	0.99480	0.29979	0.43819	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.274	0.98995	0.29833	0.43606	-1.0000
-112	14.264	0.98926	0.29812	0.43575	-1.0000
-122	14.264	0.98926	0.29812	0.43575	-1.0000
-127	14.294	0.99134	0.29874	0.43667	-1.0000
-137	14.259	0.98892	0.29801	0.43560	-1.0000
-142	14.224	0.98649	0.29728	0.43453	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.274	0.98995	0.29833	0.43606	0.39800
112	14.264	0.98926	0.29812	0.43575	0.43100
122	14.264	0.98926	0.29812	0.43575	0.44900
127	14.294	0.99134	0.29874	0.43667	0.48600
137	14.259	0.98892	0.29801	0.43560	0.52200
142	14.224	0.98649	0.29728	0.43453	0.58800
152	14.374	0.99688	0.30041	0.43911	-1.0000
-157	14.374	0.99688	0.30041	0.43911	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.374	0.99688	0.30041	0.43911	-1.0000
-157	14.374	0.99688	0.30041	0.43911	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.374	0.99688	0.30041	0.43911	0.79300
172	14.374	0.99688	0.30041	0.43911	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.341	0.92523	0.27882	0.40755	0.79300
187	13.116	0.90966	0.27413	0.40069	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-PI 946.66 FG 965.24 SIGMA FG 3.425 ETAPF 0.93688 DSM 0.063817 CFM 0.9930981

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.295	1.0356	0.55651	0.93923	0.72200
37	15.510	1.0197	0.56423	0.95243	0.82000
47	15.590	1.0250	0.56724	0.95734	0.91900
52	15.625	1.0273	0.56851	0.95949	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.390	1.0112	0.55960	0.94445	0.42200
67	15.305	1.0062	0.55687	0.93984	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.495	0.88725	0.49102	0.82871	0.50800
82	17.239	1.1334	0.62726	1.0586	0.58300
92	15.230	1.0013	0.55414	0.93524	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.785	0.97205	0.53795	0.90792	-1.0000
-112	14.700	0.96646	0.53486	0.90270	-1.0000
-122	14.715	0.96745	0.53541	0.90362	-1.0000
-127	15.000	0.98618	0.54577	0.92112	-1.0000
-137	15.000	0.98618	0.54577	0.92112	-1.0000
-142	14.865	0.97731	0.54086	0.91283	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.785	0.97205	0.53795	0.90792	0.39800
112	14.700	0.96646	0.53486	0.90270	0.43100
122	14.715	0.96745	0.53541	0.90362	0.44900
127	15.000	0.98618	0.54577	0.92112	0.48600
137	15.000	0.98618	0.54577	0.92112	0.52200
142	14.865	0.97731	0.54086	0.91283	0.58800
152	14.235	1.0016	0.55442	0.93496	-1.0000
157	15.230	1.0013	0.55414	0.93524	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.235	1.0016	0.55432	0.93554	-1.0000
-157	15.230	1.0013	0.55414	0.93524	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.230	1.0013	0.55414	0.93524	0.79300
172	15.230	1.0013	0.55414	0.93524	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.565	0.95759	0.52995	0.89441	0.79300
187	14.155	0.93064	0.51503	0.86923	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

FG-01 293.98 FIC 287.84 SIGMA FC 2.5435 FTARE 2.8430 DSM 2.3914 DFM 0.0021142

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 04:47:09.879 FAC 8X6X1 PGM C036 PDG 1391

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.294	1.0007	0.47498	0.79601	0.72200
37	16.076	1.0517	0.49920	0.83660	0.82000
47	16.339	1.0671	0.50650	0.84883	0.91900
52	16.394	1.0726	0.50914	0.85326	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.879	1.0390	0.49514	0.82646	0.42200
67	15.489	1.0134	0.48103	0.80616	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.389	0.87604	0.41581	0.69686	0.50800
82	14.164	1.1884	0.56410	0.94537	0.58300
92	15.319	1.0023	0.47575	0.79731	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.874	0.97321	0.46193	0.77415	-1.0000
-112	14.799	0.96830	0.45960	0.77025	-1.0000
-122	14.796	0.96797	0.45945	0.76999	-1.0000
-127	15.079	0.98662	0.46830	0.78482	-1.0000
-137	15.034	0.98760	0.46877	0.78560	-1.0000
-142	14.954	0.97844	0.46442	0.77832	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.874	0.97321	0.46193	0.77415	0.39800
112	14.799	0.96830	0.45960	0.77025	0.43100
122	14.796	0.96797	0.45945	0.76999	0.44900
127	15.079	0.98662	0.46830	0.78482	0.48600
137	15.034	0.98760	0.46877	0.78560	0.52200
142	14.954	0.97844	0.46442	0.77832	0.58900
-147	15.299	1.0010	0.47513	0.79627	-1.0000
-157	15.294	1.0007	0.47498	0.79601	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.299	1.0010	0.47513	0.79627	-1.0000
-157	15.294	1.0007	0.47498	0.79601	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.289	1.0004	0.47482	0.79575	0.79300
172	15.299	1.0010	0.47513	0.79627	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.699	0.96176	0.45650	0.76504	0.79300
187	14.329	0.93755	0.44501	0.74579	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FE-01 631.23 FIC 426.10 SIGMA FC 4.6709 FTARE 2.7266 DSM 2.4103 CFM 0.9021165

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.443	0.88177	0.35140	0.59183	0.72200
37	16.347	1.0726	0.42784	0.72057	0.82000
47	17.032	1.1172	0.44522	0.74994	0.91900
52	17.217	1.1293	0.45005	0.75758	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.862	1.0392	0.41412	0.69747	0.42200
67	13.792	0.90473	0.36055	0.60723	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.7423	0.57364	0.22852	0.38488	0.50800
82	22.500	1.4759	0.58816	0.99058	0.58300
92	15.252	1.0005	0.39871	0.67150	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.877	0.97589	0.38890	0.65499	-1.0000
-112	14.817	0.97195	0.38734	0.65235	-1.0000
-122	14.952	0.97425	0.38825	0.65389	-1.0000
-127	15.107	0.99097	0.39491	0.66512	-1.0000
-137	15.142	0.99327	0.39583	0.66666	-1.0000
-142	15.097	0.99031	0.39465	0.66468	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.877	0.97589	0.38890	0.65499	0.39900
112	14.817	0.97195	0.38734	0.65235	0.43100
122	14.952	0.97425	0.38825	0.65389	0.44900
127	15.107	0.99097	0.39491	0.66512	0.48600
137	15.142	0.99327	0.39583	0.66666	0.52200
142	15.097	0.99031	0.39465	0.66468	0.58800
152	15.252	1.0006	0.39879	0.67150	-1.0000
157	15.262	1.0011	0.39897	0.67176	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE "LIP"

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.252	1.0005	0.39870	0.67150	-1.0000
-157	15.262	1.0011	0.39897	0.67176	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.252	1.0005	0.39870	0.67150	0.79300
172	15.252	1.0005	0.39870	0.67150	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.597	0.95752	0.38150	0.64267	0.79300
187	14.242	0.93424	0.37231	0.62704	0.84400

>OPTION 5 , MEASURED THRUST PERAMETERS

EE-01 C98.06 FLC 503.18 SIGMA FC 3.8154 ETAPE 2.6275 DSM 2.3604 FRM 3.3021216

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	8.3588	0.55046	0.17584	0.29767	0.72200
37	17.969	1.1833	0.37801	0.63991	0.82000
47	18.996	1.2462	0.39747	0.67284	0.91900
52	18.999	1.2439	0.39736	0.67266	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	19.249	1.2676	0.40493	0.68547	0.42200
67	16.329	1.0754	0.34352	0.58152	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	11.125	0.73261	0.23403	0.39617	0.50800
82	15.845	1.0434	0.33332	0.56425	0.58300
92	15.190	1.0003	0.31955	0.54093	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.835	0.97693	0.31208	0.52829	-1.0000
-112	14.900	0.97462	0.31134	0.52704	-1.0000
-122	14.930	0.97669	0.31197	0.52811	-1.0000
-127	15.085	0.99339	0.31734	0.53719	-1.0000
-137	15.140	0.99701	0.31849	0.53915	-1.0000
-142	15.195	1.0006	0.31965	0.54111	-1.0000

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.835	0.97693	0.31208	0.52829	0.39800
112	14.900	0.97462	0.31134	0.52704	0.43100
122	14.930	0.97660	0.31197	0.52811	0.44900
127	15.085	0.99339	0.31734	0.53719	0.48600
137	15.140	0.99701	0.31849	0.53915	0.52200
142	15.195	1.0006	0.31965	0.54111	0.58800
-152	15.200	1.0010	0.31976	0.54129	-1.0000
-157	15.200	1.0010	0.31976	0.54129	-1.0000

>ADDITIONAL PRESSURE RATIOS , PSN MIXER PLANE

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	15.200	1.0010	0.31976	0.54129	-1.0000
-157	15.200	1.0010	0.31976	0.54129	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	15.205	1.0013	0.31986	0.54146	0.79300
172	15.200	1.0010	0.31976	0.54129	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	14.535	0.95520	0.30614	0.51654	0.79300
187	14.150	0.93182	0.29767	0.50390	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

FF=21 832.60 FIG 827.70 SIGMA FF 2.4453 FTAPE 2.5740 DSN 2.3250 CFN 0.0321239

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.481	0.95059	0.26347	0.44630	0.72200
37	16.756	1.0999	0.30486	0.51615	0.82000
47	15.611	1.0248	0.28403	0.48088	0.91900
52	20.383	1.3378	0.37080	0.62779	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	22.780	1.4953	0.41445	0.70171	0.42200
67	19.850	1.3030	0.36116	0.61147	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.836	0.84260	0.23354	0.39540	0.50800
82	18.366	1.2056	0.33414	0.56574	0.58300
92	15.266	1.0021	0.27775	0.47026	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.951	0.97488	0.27020	0.45748	-1.0000
-112	14.791	0.97094	0.26911	0.45563	-1.0000
-122	14.816	0.97258	0.26956	0.45640	-1.0000
-127	15.091	0.99063	0.27457	0.46487	-1.0000
-137	15.141	0.99391	0.27548	0.46641	-1.0000
-142	15.181	0.99654	0.27620	0.46764	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.951	0.97488	0.27020	0.45748	0.39800
112	14.791	0.97094	0.26911	0.45563	0.43100
122	14.816	0.97258	0.26956	0.45640	0.44900
127	15.091	0.99063	0.27457	0.46487	0.48600
137	15.141	0.99391	0.27548	0.46641	0.52200
142	15.181	0.99654	0.27620	0.46764	0.58900
-152	15.251	1.0011	0.27748	0.46980	-1.0000
-157	15.256	1.0015	0.27757	0.46995	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.251	1.0011	0.27748	0.46980	-1.0000
-157	15.256	1.0015	0.27757	0.46995	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.261	1.0018	0.27766	0.47010	0.79300
172	15.256	1.0015	0.27757	0.46995	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.496	0.95092	0.26356	0.44623	0.79300
187	14.076	0.92400	0.25610	0.43360	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-01 1051.1 FIC 1046.9 SIGMA FC 3.2857 FTARG 1.0249 DSM 2.3856 CFG 0.0021190

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.219	0.93541	0.24650	0.41728	0.72200
37	18.339	1.1867	0.31145	0.52938	0.82000
47	14.319	0.94198	0.24723	0.42022	0.91900
52	20.853	1.3719	0.36005	0.61158	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	23.748	1.5623	0.41003	0.69693	0.42200
67	20.188	1.3281	0.34857	0.59247	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.534	0.89034	0.23367	0.39718	0.50800
82	19.386	1.2752	0.33467	0.56885	0.58300
92	15.224	1.0015	0.26285	0.44678	0.67000

>ADDITIONAL PRESSURE RATIOS , ESPOSTER SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.829	0.97554	0.25603	0.43519	-1.0000
-112	14.769	0.97159	0.25500	0.43342	-1.0000
-122	14.786	0.97258	0.25526	0.43386	-1.0000
-127	15.054	0.99034	0.25992	0.44179	-1.0000
-137	15.099	0.99330	0.26069	0.44311	-1.0000
-142	15.144	0.99626	0.26147	0.44443	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.829	0.97554	0.25603	0.43519	0.39800
112	14.769	0.97159	0.25500	0.43342	0.43100
122	14.786	0.97258	0.25526	0.43386	0.44900
127	15.054	0.99034	0.25992	0.44179	0.48600
137	15.099	0.99330	0.26069	0.44311	0.52200
142	15.144	0.99626	0.26147	0.44443	0.58800
-147	15.219	1.0012	0.26277	0.44663	-1.0000
-147	15.219	1.0012	0.26277	0.44663	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.219	1.0012	0.26277	0.44663	-1.0000
-157	15.219	1.0012	0.26277	0.44663	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.219	1.0012	0.26277	0.44663	0.79300
172	15.219	1.0012	0.26277	0.44663	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.624	0.96205	0.25249	0.42917	0.79300
187	14.286	0.93984	0.24662	0.41919	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	13.857	0.91221	0.23960	0.40601	0.72200
37	19.046	1.1890	0.31273	0.52875	0.82000
47	14.337	0.94183	0.24738	0.41919	0.91900
52	20.855	1.3729	0.36060	0.61105	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
52	23.774	1.5651	0.41107	0.69658	0.42200
67	20.179	1.3278	0.34876	0.59099	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	13.527	0.89049	0.23389	0.39634	0.50800
82	19.350	1.2739	0.33459	0.56697	0.58300
92	15.201	1.0007	0.26285	0.44561	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.817	0.97560	0.25619	0.43413	-1.0000
-112	14.747	0.97079	0.25498	0.43208	-1.0000
-122	14.762	0.97178	0.25524	0.43252	-1.0000
-127	15.032	0.98955	0.25991	0.44043	-1.0000
-137	15.077	0.99251	0.26069	0.44175	-1.0000
-142	15.122	0.99548	0.26147	0.44307	-1.0000

>ADDITIONAL PRESSURE RATIOS , FREEPOW INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.817	0.97560	0.25619	0.43413	0.39800
112	14.747	0.97079	0.25498	0.43208	0.43100
122	14.762	0.97178	0.25524	0.43252	0.44900
127	15.032	0.98955	0.25991	0.44043	0.48600
137	15.077	0.99251	0.26069	0.44175	0.52200
142	15.122	0.99548	0.26147	0.44307	0.58800
152	15.191	1.0001	0.26268	0.44512	1.0000
157	15.191	1.0001	0.26268	0.44512	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	15.191	1.0001	0.78944	0.44512	-1.0000
-157	15.191	1.0001	0.26268	0.44512	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	15.206	1.0011	0.26294	0.44556	0.79300
172	15.196	1.0004	0.26276	0.44526	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	14.602	0.96125	0.25248	0.42783	0.79300
187	14.257	0.93856	0.24651	0.41773	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-PI 1139.1 FIG 1134.0 SIGMA IF 3.1001 ETARF 2.6992 DSM 2.3371 CFM 0.0021231

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NASA-LEWIS PRELIMINARY DATA 06/13/79 CARDFILE REF 10/24/79 04:54:40.133 FAC 9XAXI PGM C036 PDG 1387

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.763	0.97186	0.26889	0.45597	0.72200
37	16.780	1.1049	0.30569	0.51837	0.82000
47	15.255	1.0044	0.27791	0.47126	0.91500
52	20.319	1.3379	0.37017	0.62772	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	22.759	1.4985	0.41462	0.70308	0.42200
67	19.939	1.3063	0.36143	0.61286	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.925	0.84464	0.23364	0.39619	0.50800
82	18.336	1.2072	0.33401	0.56640	0.58300
92	15.205	1.0012	0.27700	0.46972	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.830	0.97649	0.26962	0.45721	-1.0000
-112	14.735	0.97021	0.26844	0.45520	-1.0000
-122	14.765	0.97219	0.26898	0.45613	-1.0000
-127	15.035	0.98996	0.27390	0.46647	-1.0000
-137	14.960	0.99359	0.27490	0.46617	-1.0000
-142	15.140	0.99688	0.27581	0.46771	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.830	0.97649	0.26962	0.45721	0.39800
112	14.735	0.97021	0.26844	0.45520	0.43100
122	14.765	0.97219	0.26898	0.45613	0.44900
127	15.035	0.98996	0.27390	0.46647	0.49600
137	15.090	0.99359	0.27490	0.46617	0.52200
142	15.140	0.99688	0.27581	0.46771	0.58800
-147	15.220	1.0021	0.27727	0.47018	-1.0000
-152	15.215	1.0018	0.27718	0.47003	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.220	1.0021	0.27727	0.47018	-1.0000
-157	15.215	1.0018	0.27718	0.47003	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.220	1.0021	0.27727	0.47018	0.79300
172	15.215	1.0018	0.27718	0.47003	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.453	0.95145	0.26324	0.44640	0.79300
187	14.055	0.92544	0.25605	0.43419	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-31 1050.6 FJ= 1045.7 SIGMA IC 3.1593 ETADF 2.5839 DSM 2.3725 CFM 0.0021393

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	8.3209	0.55498	0.17539	0.29698	0.72200
37	18.029	1.1808	0.38002	0.64348	0.82000
47	18.936	1.2381	0.39846	0.67471	0.91900
52	18.924	1.2394	0.39888	0.67543	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	19.196	1.2571	0.40458	0.68506	0.42200
67	16.234	1.0633	0.34218	0.57942	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	11.093	0.72652	0.23381	0.39591	0.50800
82	15.909	1.0356	0.33322	0.56425	0.58300
92	15.266	0.99972	0.32173	0.54479	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.919	0.97712	0.31446	0.53248	-1.0000
-112	14.864	0.97352	0.31330	0.53051	-1.0000
-122	14.999	0.97516	0.31383	0.53141	-1.0000
-127	15.149	0.99219	0.31931	0.54069	-1.0000
-137	15.219	0.99677	0.32079	0.54319	-1.0000
-142	15.274	1.0004	0.32195	0.54515	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.919	0.97712	0.31446	0.53248	0.39800
112	14.864	0.97352	0.31330	0.53051	0.43100
122	14.999	0.97516	0.31383	0.53141	0.44900
127	15.149	0.99219	0.31931	0.54069	0.48600
137	15.219	0.99677	0.32079	0.54319	0.52200
142	15.274	1.0004	0.32195	0.54515	0.58800
-142	14.259	0.99939	0.32163	0.54461	-1.0000
-147	15.264	0.99972	0.32173	0.54479	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.259	0.99939	0.32163	0.54461	-1.0000
-157	15.264	0.99972	0.32173	0.54479	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.269	1.0000	0.32184	0.54497	0.79300
172	15.264	0.99972	0.32173	0.54479	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.584	0.95518	0.30740	0.52052	0.79300
187	14.214	0.93094	0.29960	0.50731	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

[F-01 827.16 FIC 821.98 SIGMA FC 2.8726 FTARF 2.8747 DSM 2.4047 CFM 0.0021179

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.406	0.87960	0.35118	0.59156	0.72200
37	16.316	1.0705	0.42740	0.71956	0.82000
47	16.996	1.1151	0.44521	0.74955	0.91900
52	17.176	1.1269	0.44992	0.75740	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.801	1.0367	0.41391	0.69723	0.42200
67	13.751	0.99224	0.36021	0.60678	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.7050	0.57114	0.22802	0.38411	0.50800
82	22.523	1.4776	0.58991	0.99370	0.58300
92	15.241	1.0000	0.39924	0.67253	0.67900

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.866	0.97539	0.38947	0.65598	-1.0000
-112	14.806	0.97146	0.38785	0.65333	-1.0000
-122	14.826	0.97277	0.38837	0.65422	-1.0000
-127	15.086	0.98983	0.39518	0.66569	-1.0000
-137	15.126	0.99245	0.39623	0.66745	-1.0000
-142	15.086	0.98983	0.39518	0.66569	-1.0000

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.866	0.97539	0.38942	0.65598	0.39800
112	14.806	0.97146	0.38785	0.65333	0.43100
122	14.826	0.97277	0.38837	0.65422	0.44900
127	15.086	0.98983	0.39518	0.66569	0.48600
137	15.126	0.99245	0.39623	0.66745	0.52200
142	15.086	0.98983	0.39518	0.66569	0.58800
-147	15.241	1.0000	0.39924	0.67253	-1.0000
-147	15.246	1.0003	0.39937	0.67275	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.241	1.0000	0.39924	0.67253	-1.0000
-157	15.246	1.0003	0.39937	0.67275	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.236	0.99967	0.39911	0.67231	0.79300
172	15.241	1.0000	0.39924	0.67253	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.581	0.95670	0.38195	0.64341	0.79300
187	14.221	0.93308	0.37253	0.62752	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FF=21 556.52 FIC 501.76 SIGMA IC 2.5180 FTAPE 2.4274 DSM 2.3313 FEM 0.0221241

RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REF 10/24/79 04:59:13.782 FAC AVAIL PGM F036 RNG 1390

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.213	0.99895	0.47067	0.79363	0.72200
37	16.018	1.0518	0.49558	0.83564	0.82000
47	16.243	1.0666	0.50254	0.84738	0.91900
52	16.338	1.0728	0.50548	0.85233	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.809	1.0380	0.48908	0.82468	0.42200
67	15.409	1.0119	0.47670	0.80380	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.262	0.87086	0.41031	0.69186	0.50900
82	18.094	1.1874	0.55948	0.94338	0.58300
92	15.243	1.0009	0.47160	0.79519	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.823	0.97333	0.45860	0.77328	-1.0000
-112	14.748	0.96840	0.45628	0.76936	-1.0000
-122	14.753	0.96873	0.45643	0.76962	-1.0000
-127	15.033	0.98712	0.46510	0.78424	-1.0000
-137	15.028	0.98680	0.46494	0.78397	-1.0000
-142	14.898	0.97826	0.46092	0.77719	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.823	0.97333	0.45860	0.77328	0.39800
112	14.748	0.96840	0.45628	0.76936	0.43100
122	14.753	0.96873	0.45643	0.76962	0.44900
127	15.033	0.98712	0.46510	0.78424	0.48600
137	15.028	0.98680	0.46494	0.78397	0.52200
142	14.898	0.97826	0.46092	0.77719	0.58800
-152	15.243	1.0009	0.47160	0.79519	-1.0000
-157	15.243	1.0009	0.47160	0.79519	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.243	1.0009	0.47160	0.79519	-1.0000
-157	15.243	1.0009	0.47160	0.79519	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.243	1.0009	0.47160	0.79519	0.79300
172	15.243	1.0009	0.47160	0.79519	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.643	0.96151	0.45293	0.76388	0.79300
187	14.273	0.93720	0.44158	0.74457	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-N) 435.00 FIF 430.25 SIGMA IF 2.4093 FTARF 2.4250 DSM 2.3222 DFN 0.0021250

NASA-LEWIS PRELIMINARY DATA 9/13/79 CADDFIT REC 10/24/79 05:30:15.638 FAC 8X6T1 PGM C034 BDG 1301

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	15.353	1.0051	0.55486	0.93792	0.72200
37	15.563	1.0188	0.56245	0.95075	0.82000
47	15.638	1.0237	0.56516	0.95533	0.91900
52	15.673	1.0260	0.56643	0.95747	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	15.453	1.0116	0.55867	0.94403	0.42200
67	15.363	1.0057	0.55522	0.93853	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	13.528	0.88556	0.48888	0.82639	0.50800
82	17.399	1.1331	0.62553	1.0574	0.58300
92	15.293	1.0011	0.55269	0.93425	0.67000

>ADDITIONAL PRESSURE RATIOS , EXPECTED SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.863	0.97298	0.53716	0.90797	-1.0000
-112	14.783	0.96774	0.53425	0.90309	-1.0000
-122	14.798	0.96873	0.53479	0.90400	-1.0000
-127	15.078	0.98706	0.54492	0.92111	-1.0000
-137	15.063	0.98608	0.54437	0.92020	-1.0000
-142	14.928	0.97724	0.53949	0.91195	-1.0000

>ADDITIONAL PRESSURE RATIOS , EXPEANDY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.863	0.97298	0.53714	0.90797	0.39800
112	14.783	0.96774	0.53425	0.90309	0.43100
122	14.798	0.96873	0.53479	0.90400	0.44900
127	15.078	0.98706	0.54492	0.92111	0.48600
137	15.063	0.98608	0.54437	0.92020	0.52200
142	14.928	0.97724	0.53949	0.91195	0.58800
-152	15.298	1.0015	0.55287	0.93456	-1.0000
-157	15.298	1.0015	0.55287	0.93456	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.298	1.0015	0.55287	0.93456	-1.0000
-157	15.298	1.0015	0.55287	0.93456	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.298	1.0015	0.55287	0.93456	0.79300
172	15.303	1.0018	0.55305	0.93486	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.639	0.95825	0.52901	0.89422	0.79300
187	14.233	0.93173	0.51437	0.86947	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

EF-01 295.25 FIC 251.72 SIGMA IC 4.2860 FTARF 2.6569 DSP 2.3764 CFM 0.0021305

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.947	0.84914	0.31002	0.52384	0.72200
37	16.341	1.0735	0.39163	0.66223	0.82003
47	17.685	1.1473	0.41887	0.70775	0.91900
52	17.735	1.1617	0.42413	0.71665	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	16.900	1.1089	0.40486	0.68408	0.42200
67	14.061	0.92261	0.33685	0.56916	0.47000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.6415	0.63261	0.23097	0.39026	0.50800
82	21.933	1.4306	0.52231	0.88253	0.58300
92	15.241	1.0000	0.36511	0.61691	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.891	0.97706	0.35673	0.60275	-1.0000
-112	14.831	0.97312	0.35529	0.60032	-1.0000
-122	14.856	0.97476	0.35589	0.60133	-1.0000
-127	15.116	0.99182	0.36211	0.61185	-1.0000
-137	15.166	0.99509	0.36331	0.61388	-1.0000
-142	15.171	0.99542	0.36343	0.61408	-1.0000

>ADDITIONAL PRESSURE RATIOS , ECPEBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.891	0.97706	0.35673	0.60275	0.39800
112	14.831	0.97312	0.35529	0.60032	0.43100
122	14.856	0.97476	0.35589	0.60133	0.44900
127	15.116	0.99182	0.36211	0.61185	0.48600
137	15.166	0.99509	0.36331	0.61388	0.52200
142	15.171	0.99542	0.36343	0.61408	0.58800
182	15.241	1.0000	0.36511	0.61691	-1.0000
197	15.246	1.0003	0.36523	0.61711	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.241	1.0000	0.36511	0.61691	-1.0000
-157	15.246	1.0003	0.36523	0.61711	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.251	1.0007	0.36535	0.61732	0.79300
172	15.241	1.0000	0.36511	0.61691	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
187	14.586	0.95705	0.34962	0.59041	0.79300
197	14.216	0.93278	0.34056	0.57543	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-01 697.11	FIC 681.68	SIGMA FC 3.0695	FTAPF 3.0591	DSM 2.3758	CFM 0.9991297

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.206	0.99869	0.55184	0.79668	0.72200
37	15.937	1.0466	0.57834	0.83494	0.82000
47	16.127	1.0591	0.58524	0.84490	0.91900
52	16.212	1.0647	0.58833	0.84935	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.812	1.0384	0.57381	0.82839	0.42200
67	15.441	1.0141	0.56037	0.80930	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.566	0.89093	0.49230	0.71072	0.50800
82	17.342	1.1389	0.62935	0.90857	0.58300
92	15.236	1.0007	0.55293	0.79825	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.836	0.97438	0.53841	0.77729	-1.0000
-112	14.781	0.97076	0.53641	0.77441	-1.0000
-122	14.786	0.97109	0.53659	0.77467	-1.0000
-127	15.061	0.98916	0.54658	0.78908	-1.0000
-137	15.071	0.98982	0.54694	0.78960	-1.0000
-142	14.976	0.98357	0.54349	0.78463	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.836	0.97438	0.53841	0.77729	0.39800
112	14.781	0.97076	0.53641	0.77441	0.43100
122	14.786	0.97109	0.53659	0.77467	0.44900
127	15.061	0.98916	0.54658	0.78908	0.48600
137	15.071	0.98982	0.54694	0.78960	0.52200
142	14.976	0.98357	0.54349	0.78463	0.58800
-147	15.236	1.0007	0.55293	0.79825	-1.0000
-157	15.236	1.0007	0.55293	0.79825	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.236	1.0007	0.55293	0.79825	-1.0000
-157	15.236	1.0007	0.55293	0.79825	-1.0000

>ADDITIONAL PRESSURE RATIOS , 30 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.231	1.0003	0.55275	0.79799	0.79300
172	15.231	1.0003	0.55275	0.79799	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.746	0.96846	0.53514	0.77257	0.79300
187	14.416	0.94678	0.52316	0.75527	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-FI 345.57 FIG 341.12 SIGMA FG 2.8468 ETAPF 2.1433 DSM 2.3962 CFM 0.992268

RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFII REC 10/24/79 05:04:37.807 FAC RX6X1 PG= 0034 PDC 1394

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	14.442	0.94691	0.44949	0.64589	0.72200
37	16.251	1.3655	0.50580	0.72658	0.82000
47	16.671	1.0931	0.51887	0.74535	0.91900
52	16.831	1.1036	0.52386	0.75250	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	16.246	1.0652	0.50565	0.72636	0.42200
67	14.972	0.98165	0.46598	0.66938	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	13.337	0.87448	0.41511	0.59630	0.50800
82	18.051	1.1835	0.56180	0.80702	0.58300
92	15.257	1.0003	0.47485	0.68211	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.837	0.97280	0.46178	0.66334	-1.0000
-112	14.762	0.96789	0.45945	0.65999	-1.0000
-122	14.802	0.97051	0.46069	0.66178	-1.0000
-127	15.072	0.98821	0.46909	0.67385	-1.0000
-137	15.067	0.98788	0.46894	0.67362	-1.0000
-142	14.942	0.97969	0.46505	0.66804	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.837	0.97280	0.46178	0.66334	0.39800
112	14.762	0.96789	0.45945	0.65999	0.43100
122	14.802	0.97051	0.46069	0.66178	0.44900
127	15.072	0.98821	0.46909	0.67385	0.48600
137	15.067	0.98788	0.46894	0.67362	0.52200
142	14.942	0.97969	0.46505	0.66804	0.58800
-152	15.267	1.0010	0.47516	0.68256	1.0000
-157	15.267	1.0010	0.47516	0.68256	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.267	1.0010	0.47516	0.68256	-1.0000
-157	15.267	1.0010	0.47516	0.68256	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.267	1.0010	0.47516	0.68256	0.79300
172	15.267	1.0010	0.47516	0.68256	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.727	0.96559	0.45836	0.65843	0.79300
187	14.392	0.94364	0.44793	0.64345	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FF-DI 487.99 FIC 483.32 SIGMA IC 3.2320 ETARE 2.6019 DSM 2.3677 CFM 0.9021215

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	12.354	0.83743	0.32183	0.46731	0.72200
37	15.265	0.99763	0.39764	0.57740	0.82000
47	17.125	1.1192	0.44600	0.64775	0.91900
52	17.679	1.1555	0.46055	0.66874	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	17.879	1.1685	0.46575	0.67631	0.42200
67	13.925	0.91005	0.36273	0.52671	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	8.7578	0.57237	0.22814	0.33127	0.50800
82	22.554	1.4740	0.58752	0.85312	0.58300
92	15.295	0.99959	0.39842	0.57853	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.890	0.97312	0.38787	0.56321	-1.0000
-112	14.840	0.96986	0.38657	0.56132	-1.0000
-122	14.960	0.97116	0.38709	0.56208	-1.0000
-127	15.130	0.98891	0.39417	0.57229	-1.0000
-137	15.145	0.98979	0.39451	0.57286	-1.0000
-142	15.095	0.98652	0.39321	0.57097	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.890	0.97312	0.38787	0.56321	0.39800
112	14.840	0.96986	0.38657	0.56132	0.43100
122	14.960	0.97116	0.38709	0.56208	0.44900
127	15.130	0.98891	0.39412	0.57229	0.48600
137	15.145	0.98979	0.39451	0.57286	0.52200
142	15.095	0.98652	0.39321	0.57097	0.58800
-152	15.270	0.99794	0.39777	0.57756	-1.0000
-157	15.275	0.99829	0.39790	0.57778	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	15.270	0.99794	0.39777	0.57756	-1.0000
-157	15.275	0.99829	0.39790	0.57778	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	15.275	0.99829	0.39790	0.57778	0.79300
172	15.275	0.99829	0.39790	0.57778	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	14.650	0.95744	0.38162	0.55413	0.79300
187	14.310	0.93522	0.37276	0.54127	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-FI 652.21 FIC 647.13 SIGMA FG 3.6702 ETAPF 2.7017 DSM 2.3776 CFM 0.9921206

NASA-LEWIS PRELIMINARY DATA 06/13/79 C7DDETI REC 10/24/79 05:06:59.195 FAC 8X6X1 PGM C036 PDG 1396

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	7.5367	0.49454	0.17977	0.26351	0.72200
37	15.066	1.0477	0.38084	0.55825	0.82000
47	18.152	1.1911	0.43296	0.63466	0.91900
52	18.437	1.2098	0.43976	0.64462	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	19.377	1.2715	0.46219	0.67749	0.42200
67	15.096	0.99059	0.36008	0.52783	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.6987	0.63641	0.23134	0.33910	0.50800
82	21.517	1.4119	0.51324	0.75233	0.58300
92	15.226	0.99912	0.36318	0.53237	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.846	0.97418	0.35412	0.51908	-1.0000
-112	14.786	0.97024	0.35269	0.51698	-1.0000
-122	14.806	0.97156	0.35316	0.51768	-1.0000
-127	15.071	0.98895	0.35949	0.52695	-1.0000
-137	15.101	0.99092	0.36020	0.52800	-1.0000
-142	15.096	0.98993	0.35984	0.52748	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.846	0.97418	0.35412	0.51908	0.39800
112	14.786	0.97024	0.35269	0.51698	0.43100
122	14.806	0.97156	0.35316	0.51768	0.44900
127	15.071	0.98895	0.35949	0.52695	0.48600
137	15.101	0.99092	0.36020	0.52800	0.52200
142	15.096	0.98993	0.35984	0.52748	0.58800
-147	15.221	0.99813	0.36306	0.53220	-1.0000
-157	15.221	0.99813	0.36306	0.53220	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.224	0.99813	0.36306	0.53220	-1.0000
-157	15.221	0.99813	0.36306	0.53220	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.236	0.99978	0.36342	0.53272	0.79300
172	15.236	0.99978	0.36342	0.53272	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.651	0.96138	0.34946	0.51226	0.79300
187	14.326	0.94005	0.34171	0.50090	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

(F-D) 741.96 FIC 737.58 SIGMA FC 3.9599 ETAPF 2.0590 FSM 2.3296 CFM 0.0021269

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	8.9564	0.58950	0.18493	0.27718	0.72200
37	15.303	0.98750	0.31649	0.46432	0.82000
47	19.559	1.2873	0.41257	0.60527	0.91900
52	19.928	1.3116	0.42037	0.61672	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	21.928	1.4433	0.46255	0.67861	0.42200
67	17.469	1.1629	0.37270	0.54679	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	11.077	0.72878	0.23357	0.34267	0.50800
82	15.768	1.0379	0.33262	0.48799	0.58300
92	15.193	1.0000	0.32049	0.47020	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.838	0.97664	0.31301	0.45921	-1.0000
-112	14.803	0.97434	0.31227	0.45813	-1.0000
-122	14.818	0.97532	0.31258	0.45859	-1.0000
-127	15.078	0.99244	0.31807	0.46664	-1.0000
-137	15.133	0.99606	0.31923	0.46834	-1.0000
-142	15.188	0.99968	0.32039	0.47004	-1.0000

>ADDITIONAL PRESSURE RATIOS , EXPERDDY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.838	0.97664	0.31301	0.45921	0.39800
112	14.803	0.97434	0.31227	0.45813	0.43100
122	14.818	0.97532	0.31258	0.45859	0.44900
127	15.078	0.99244	0.31807	0.46664	0.48600
137	15.133	0.99606	0.31923	0.46834	0.52200
142	15.188	0.99968	0.32039	0.47004	0.58800
-147	15.204	1.0007	0.32081	0.47066	-1.0000
-147	15.204	1.0007	0.32081	0.47066	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.208	1.0010	0.32081	0.47066	-1.0000
-152	15.208	1.0010	0.32081	0.47066	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.208	1.0010	0.32081	0.47066	0.79300
172	15.208	1.0010	0.32081	0.47066	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.593	0.96051	0.30784	0.45163	0.79300
187	14.249	0.93780	0.30056	0.44095	0.84400

>OPTION 5 , MEASURED TWIST PARAMETERS

(F-2) 896.26 F1' 891.38 SIGMA IF 4.0596 ETARF 2.7589 DSM 2.3221 CFM 0.0021256

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDEIT REF 10/24/79 05:11:37.074 FAC 9WAX1 PGM C034 PDG 1298

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	11.291	0.74118	0.22488	0.29688	0.72200
37	13.409	1.2095	0.33432	0.48444	0.82000
47	14.153	0.92984	0.25702	0.37245	0.91900
52	21.225	1.3944	0.38545	0.55855	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
57	26.146	1.7178	0.47483	0.68807	0.42200
67	21.715	1.4266	0.39435	0.57145	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.872	0.84571	0.23377	0.33875	0.50800
82	18.384	1.2078	0.33386	0.48380	0.58300
92	15.228	1.0005	0.27655	0.40075	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.858	0.97617	0.26983	0.39101	-1.0000
-112	14.813	0.97322	0.26901	0.38983	-1.0000
-122	14.848	0.97552	0.26965	0.39075	-1.0000
-127	15.108	0.99260	0.27437	0.39759	-1.0000
-137	15.173	0.99688	0.27555	0.39930	-1.0000
-162	15.223	1.0002	0.27646	0.40062	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.858	0.97617	0.26983	0.39101	0.39800
112	14.813	0.97322	0.26901	0.38983	0.43100
122	14.848	0.97552	0.26965	0.39075	0.44900
127	15.108	0.99260	0.27437	0.39759	0.48600
137	15.173	0.99688	0.27555	0.39930	0.52200
142	15.223	1.0002	0.27646	0.40062	0.58800
-157	15.224	1.0005	0.27655	0.40075	-1.0000
-157	15.223	1.0002	0.27646	0.40062	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-162	15.228	1.0005	0.27654	0.40075	-1.0000
-157	15.223	1.0002	0.27646	0.40062	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.223	1.0002	0.27646	0.40062	0.79300
172	15.228	1.0005	0.27655	0.40075	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.633	0.96139	0.26574	0.38509	0.79300
187	14.313	0.94035	0.25993	0.37666	0.84400

>EPTION 5 , MEASURED THRUST PARAMETERS

(F-PL 1129.7 FIC 1124.8 SIGMA FC 4.1512 ETAPE 2.5167 DEM 2.3839 CFM 1.0321204

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 05:13:10.C19 FAP #X6XI PGM C036 RDG 1399

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	11.357	0.74932	0.19732	0.28693	0.72200
37	19.918	1.3125	0.34609	0.50324	0.82000
47	14.953	0.98529	0.25981	0.37779	0.91900
52	21.273	1.4018	0.36963	0.53748	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	27.253	1.7923	0.47260	0.68721	0.42200
67	22.923	1.4710	0.38788	0.56401	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.427	0.88678	0.23330	0.33925	0.50800
82	19.208	1.2657	0.33375	0.48530	0.58300
92	15.163	0.99913	0.26346	0.38310	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.803	0.97560	0.25720	0.37400	-1.0000
-112	14.763	0.97277	0.25651	0.37299	-1.0000
-122	14.788	0.97442	0.25694	0.37362	-1.0000
-127	15.048	0.99155	0.26146	0.38019	-1.0000
-137	15.103	0.99518	0.26242	0.38158	-1.0000
-147	15.163	0.99913	0.26346	0.38310	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.803	0.97560	0.25720	0.37400	0.35800
112	14.763	0.97277	0.25651	0.37299	0.43100
122	14.788	0.97442	0.25694	0.37362	0.44900
127	15.048	0.99155	0.26146	0.38019	0.48600
137	15.103	0.99518	0.26242	0.38158	0.52200
147	15.163	0.99913	0.26346	0.38310	0.58800
-152	15.178	1.0001	0.26372	0.38347	-1.0000
-162	15.178	1.0001	0.26372	0.38347	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOR AFTER PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.178	1.0001	0.26372	0.38347	-1.0000
-162	15.178	1.0001	0.26372	0.38347	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.173	0.99979	0.26363	0.38335	0.79300
172	15.173	0.99979	0.26363	0.38335	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.688	0.96782	0.25520	0.37109	0.79300
187	14.393	0.94838	0.25008	0.36364	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

FS=1 1256.7 FIC 1199.6 SIGMA IC 2.7673 ETADP 2.3677 DSM 2.3342 CFM 0.0021746

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	11.349	0.74773	0.19716	0.28628	0.72200
37	19.031	1.3132	0.34626	0.50278	0.82000
47	14.995	0.98733	0.26033	0.37801	0.91900
52	21.301	1.4035	0.37004	0.53724	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	27.208	1.7927	0.47268	0.68634	0.42200
67	22.346	1.4723	0.38822	0.56371	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	13.435	0.88517	0.23340	0.33890	0.50800
82	19.231	1.2671	0.33409	0.48512	0.58300
92	15.195	1.0012	0.26398	0.38331	0.67002

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.825	0.97679	0.25755	0.37398	-1.0000
-112	14.775	0.97349	0.25668	0.37271	-1.0000
-122	14.805	0.97547	0.25720	0.37347	-1.0000
-127	15.065	0.99260	0.26172	0.38003	-1.0000
-137	15.120	0.99623	0.26268	0.38142	-1.0000
-142	15.180	1.0002	0.26372	0.38293	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.825	0.97679	0.25755	0.37398	0.39800
112	14.775	0.97349	0.25668	0.37271	0.43100
122	14.805	0.97547	0.25720	0.37347	0.44900
127	15.065	0.99260	0.26172	0.38003	0.48600
137	15.120	0.99623	0.26268	0.38142	0.52200
142	15.180	1.0002	0.26372	0.38293	0.58800
147	15.197	1.0013	0.26399	0.38331	1.0000
147	15.195	1.0012	0.26398	0.38331	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.190	1.0008	0.26389	0.38319	-1.0000
-157	15.195	1.0012	0.26398	0.38331	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.195	1.0012	0.26398	0.38331	0.79300
172	15.200	1.0015	0.26407	0.38344	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.715	0.96954	0.25564	0.37120	0.79300
187	14.420	0.95009	0.25051	0.36376	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-01 1204.9 FIC 1200.1 SIGMA FC 3.8398 FTARE 2.4995 DSM 2.3536 CFM 0.9921229

RUN

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	11.316	0.74222	0.20515	0.29677	0.72200
37	18.451	1.2102	0.33450	0.48388	0.82000
47	14.186	0.93049	0.25719	0.37204	0.91900
52	21.260	1.3945	0.38544	0.55756	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	26.230	1.7185	0.47499	0.68711	0.42200
67	21.760	1.4273	0.39459	0.57067	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	12.876	0.84456	0.23344	0.33769	0.50800
82	18.431	1.2089	0.33414	0.48336	0.58300
92	15.241	0.99968	0.27632	0.39971	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	14.866	0.97509	0.26952	0.38988	1.0000
-112	14.821	0.97214	0.26870	0.38870	-1.0000
-122	14.851	0.97410	0.26925	0.38948	-1.0000
-127	15.126	0.99214	0.27423	0.39670	-1.0000
-137	15.181	0.99575	0.27523	0.39814	-1.0000
-142	15.231	0.99903	0.27613	0.39945	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	14.866	0.97509	0.26952	0.38988	0.39800
112	14.821	0.97214	0.26870	0.38870	0.43100
122	14.851	0.97410	0.26925	0.38948	0.44900
127	15.126	0.99214	0.27423	0.39670	0.48600
137	15.181	0.99575	0.27523	0.39814	0.52200
142	15.231	0.99903	0.27613	0.39945	0.58800
[illegible]	15.241	0.99968	0.27632	0.39971	-1.0000
-147	15.241	0.99968	0.27632	0.39971	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	15.241	0.99968	0.27632	0.39971	-1.0000
-157	15.241	0.99968	0.27632	0.39971	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
167	15.246	1.0000	0.27641	0.39984	0.79300
172	15.251	1.0003	0.27650	0.39997	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
182	14.666	0.96197	0.26589	0.38463	0.79300
187	14.331	0.94003	0.25982	0.37595	0.84400

>STATION 5 , MEASURED THRUST PARAMETERS

(F-D) 1133.4 FIC 1128.7 SIGMA IC 5.0836 FTARE 2.3429 DSP 2.4126 CFM 0.0021193

RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 05:16:35.070 FAC AWAVI PGM C034 RDG 1402

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	8.9843	0.59116	0.18966	0.27777	0.72200
37	14.920	0.98174	0.31497	0.46129	0.82000
47	19.564	1.2873	0.41300	0.60487	0.91900
52	19.949	1.3126	0.42113	0.61677	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	21.948	1.4442	0.46334	0.67858	0.42200
67	17.689	1.1640	0.37343	0.54691	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	11.060	0.72774	0.23348	0.34195	0.50800
82	15.765	1.0373	0.33281	0.48741	0.58300
92	15.210	1.0008	0.32109	0.47025	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.861	0.97779	0.31370	0.45944	-1.0000
-112	14.805	0.97417	0.31254	0.45774	-1.0000
-122	14.835	0.97614	0.31318	0.45866	-1.0000
-127	15.095	0.99325	0.31866	0.46670	-1.0000
-137	15.150	0.99687	0.31982	0.46840	-1.0000
-142	15.205	1.0005	0.32099	0.47010	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORECOV INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.860	0.97779	0.31370	0.45944	0.39800
112	14.805	0.97417	0.31254	0.45774	0.43100
122	14.835	0.97614	0.31318	0.45866	0.44900
127	15.095	0.99325	0.31866	0.46670	0.48600
137	15.150	0.99687	0.31982	0.46840	0.52200
142	15.205	1.0005	0.32099	0.47010	0.58800
-152	15.195	0.99983	0.32077	0.46979	-1.0000
-162	15.195	0.99983	0.32077	0.46979	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.195	0.99983	0.32077	0.46979	-1.0000
-162	15.195	0.99983	0.32077	0.46979	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.195	0.99983	0.32077	0.46979	0.79300
172	15.190	0.99950	0.32067	0.46964	0.84400

>ADDITIONAL PRESSUPE PATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.585	0.95970	0.30790	0.45093	0.79300
187	14.250	0.93765	0.30083	0.44058	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 880.36 FLC 884.14 SIGMA IC 3.1598 FTARE 2.8930 DSM 2.3363 CFM 0.0021244

RUN 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 05:17:58.123 FAC AX6X1 PGM C034 PDG 1403

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	7.5367	0.49610	0.17951	0.26356	0.72200
37	15.961	1.0441	0.37779	0.55467	0.82000
47	18.112	1.1922	0.43139	0.63337	0.91900
52	18.407	1.2116	0.43841	0.64368	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
52	19.357	1.2742	0.46104	0.67691	0.42200
57	15.096	0.99370	0.35956	0.52792	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.6837	0.63742	0.23065	0.33864	0.50800
82	21.377	1.4071	0.50916	0.74756	0.58300
92	15.201	1.0006	0.36207	0.53159	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.836	0.97658	0.35337	0.51882	-1.0000
-112	14.776	0.97263	0.35194	0.51672	-1.0000
-122	14.906	0.97461	0.35265	0.51777	-1.0000
-127	15.051	0.99074	0.35869	0.52634	-1.0000
-137	15.086	0.99304	0.35933	0.52757	-1.0000
-142	15.071	0.99205	0.35897	0.52704	-1.0000

>ADDITIONAL PRESSURE RATIOS , EDPERODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.836	0.97658	0.35337	0.51882	0.39800
112	14.776	0.97263	0.35194	0.51672	0.43100
122	14.836	0.97461	0.35265	0.51777	0.44900
127	15.051	0.99074	0.35869	0.52634	0.48600
137	15.086	0.99304	0.35933	0.52757	0.52200
142	15.071	0.99205	0.35897	0.52704	0.58800
-152	15.231	1.0026	0.36207	0.53159	-1.0000
-197	15.291	1.0006	0.36207	0.53159	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.291	1.0006	0.36207	0.53159	-1.0000
-197	15.291	1.0006	0.36207	0.53159	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.196	1.0003	0.36195	0.53141	0.79300
172	15.196	1.0003	0.36195	0.53141	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.621	0.96243	0.34825	0.51130	0.79300
187	14.301	0.94136	0.34062	0.50011	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-01 744.23 FIC 735.45 SIGMA IC 3.4791 FTAPE 2.4587 DSM 2.3241 CFN 0.0021255

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.465	0.96635	0.44914	0.64326	0.72200
37	16.305	1.0667	0.50627	0.72509	0.82000
47	16.725	1.0942	0.51932	0.74377	0.91900
52	16.990	1.1050	0.52444	0.75111	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	16.310	1.0671	0.50643	0.72531	0.42200
67	15.010	0.98201	0.46606	0.66750	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.375	0.87502	0.41528	0.59477	0.50800
82	19.065	1.1819	0.56092	0.80336	0.58300
92	15.295	1.0007	0.47491	0.68017	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.860	0.97219	0.46140	0.66083	-1.0000
-112	14.795	0.96794	0.45938	0.65794	-1.0000
-122	14.805	0.96859	0.45970	0.65838	-1.0000
-127	15.080	0.98659	0.46824	0.67061	-1.0000
-137	15.095	0.98757	0.46870	0.67128	-1.0000
-142	14.965	0.97906	0.46466	0.66550	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.860	0.97219	0.46140	0.66083	0.39800
112	14.795	0.96794	0.45938	0.65794	0.43100
122	14.805	0.96859	0.45970	0.65838	0.44900
127	15.080	0.98659	0.46824	0.67061	0.48600
137	15.095	0.98757	0.46870	0.67128	0.52200
142	14.965	0.97906	0.46466	0.66550	0.58800
-147	14.999	1.0037	0.47491	0.68017	-1.0000
-157	15.293	1.0003	0.47476	0.67995	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.295	1.0007	0.47491	0.68017	-1.0000
-153	15.290	1.0003	0.47476	0.67995	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.285	1.0000	0.47460	0.67973	0.79300
172	15.290	0.99967	0.47445	0.67951	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.750	0.96488	0.45799	0.65593	0.79300
187	14.490	0.94208	0.44712	0.64037	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 493.30 FIC 488.35 SIGMA IC 2.8594 ETADF 2.5735 DSM 2.3789 CFM 0.9021205

MASS-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT DEC 10/24/78 05:21:06.859 FAP AX4X1 PGM C036 BDG 1405

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.195	0.99810	0.54919	0.79040	0.72200
37	15.959	1.0477	0.57542	0.82966	0.82000
47	16.145	1.0605	0.58245	0.83980	0.91900
52	16.235	1.0664	0.58570	0.84468	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.920	1.0391	0.57073	0.82290	0.42200
67	15.435	1.0139	0.55685	0.80288	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.551	0.89027	0.48886	0.70486	0.50800
82	17.134	1.1386	0.62537	0.90167	0.58300
92	15.250	1.0010	0.54982	0.79276	0.67000

>ADDITIONAL PRESSURE RATIOS , FORWARD SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.840	0.97478	0.53539	0.77196	-1.0000
-112	14.770	0.97019	0.53287	0.76830	-1.0000
-122	14.795	0.97183	0.53377	0.76960	-1.0000
-127	15.065	0.98825	0.54278	0.78260	-1.0000
-137	15.070	0.98980	0.54369	0.78390	-1.0000
-142	14.970	0.98332	0.54008	0.77870	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.840	0.97478	0.53539	0.77196	0.39800
112	14.770	0.97019	0.53287	0.76830	0.43100
122	14.795	0.97183	0.53377	0.76960	0.44900
127	15.065	0.98825	0.54278	0.78260	0.48600
137	15.070	0.98980	0.54369	0.78390	0.52200
142	14.970	0.98332	0.54008	0.77870	0.58800
-152	15.235	1.0007	0.54964	0.79248	-1.0000
-157	15.235	1.0007	0.54964	0.79248	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.235	1.0007	0.54964	0.79248	-1.0000
-157	15.235	1.0007	0.54964	0.79248	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.230	1.0004	0.54946	0.79222	0.79300
172	15.230	1.0004	0.54946	0.79222	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.740	0.96822	0.53178	0.76674	0.79300
187	14.413	0.94655	0.51988	0.74958	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FF-D1 353.11 FIC 349.30 SIGMA IC 3.6650 ETAPF 2.4998 DSM 2.3710 CFM 0.9921255

Run 22

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL PEC 10/24/79 05:24:12.916 FAC AX6X1 PGM C034 PDG 1606

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	10.063	0.65983	0.19296	0.32694	0.72200
37	15.723	1.0310	0.30151	0.51085	0.82000
47	19.812	1.2991	0.37993	0.64371	0.91900
52	19.942	1.3011	0.38050	0.64468	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	21.372	1.4014	0.40983	0.69438	0.42200
67	18.429	1.2083	0.35337	0.59872	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.183	0.79888	0.23363	0.39584	0.50800
82	17.379	1.1395	0.33324	0.56461	0.58300
92	15.263	1.0008	0.29269	0.49591	0.67000

>ADDITIONAL PRESSURE RATIOS , COLLECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.883	0.97593	0.28540	0.48356	-1.0000
-112	14.823	0.97199	0.28425	0.48161	-1.0000
-122	14.843	0.97330	0.28464	0.48226	-1.0000
-127	15.138	0.99068	0.28972	0.49087	-1.0000
-137	15.163	0.99428	0.29077	0.49266	-1.0000
-142	15.218	0.99789	0.29183	0.49445	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.883	0.97593	0.28540	0.48356	0.39800
112	14.823	0.97199	0.28425	0.48161	0.43100
122	14.843	0.97330	0.28464	0.48226	0.44900
127	15.138	0.99068	0.28972	0.49087	0.48600
137	15.163	0.99428	0.29077	0.49266	0.52200
142	15.218	0.99789	0.29183	0.49445	0.58800
-147	15.253	1.0002	0.29250	0.49558	-1.0000
-157	15.248	0.99986	0.29240	0.49542	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.253	1.0002	0.29250	0.49558	-1.0000
-157	15.248	0.99986	0.29240	0.49542	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.248	0.99986	0.29240	0.49542	0.79300
172	15.248	0.99986	0.29240	0.49542	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.573	0.95560	0.27946	0.47349	0.79300
187	14.138	0.93101	0.27227	0.46131	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 964.83 FIC 960.37 SIGMA IC 4.7906 FT&PF 2.3743 DSM 2.3818 CFM 0.9921203

Run 2.2

NASA-LEWIS PRELIMINARY DATA 06/13/75 CADDELL REC 10/24/79 05:25:25.071 FAC BX6X1 PGM C036 PRG 1407

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	10.737	0.70621	0.20600	0.29749	0.72200
37	16.566	1.0883	0.31744	0.45842	0.82000
47	15.121	0.99457	0.29011	0.41896	0.91900
52	20.939	1.3752	0.40114	0.57930	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	24.657	1.6217	0.47306	0.68316	0.42200
67	20.294	1.3341	0.38916	0.56200	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.177	0.80091	0.23362	0.33738	0.50800
82	17.360	1.1418	0.33307	0.48099	0.58360
92	15.206	1.0002	0.29174	0.42131	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.826	0.97517	0.28445	0.41079	-1.0000
-112	14.787	0.97254	0.28369	0.40968	-1.0000
-122	14.806	0.97385	0.28407	0.41023	-1.0000
-127	15.071	0.99128	0.28915	0.41757	-1.0000
-137	15.131	0.99522	0.29030	0.41924	-1.0000
-142	15.191	0.99917	0.29145	0.42090	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.826	0.97517	0.28445	0.41079	0.39800
112	14.787	0.97254	0.28369	0.40968	0.43190
122	14.806	0.97385	0.28407	0.41023	0.44900
127	15.071	0.99128	0.28915	0.41757	0.48600
137	15.131	0.99522	0.29030	0.41924	0.52200
142	15.191	0.99917	0.29145	0.42090	0.58800
-152	15.206	1.0002	0.29174	0.42131	-1.0000
-157	15.206	1.0002	0.29174	0.42131	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.206	1.0002	0.29174	0.42131	-1.0000
-157	15.206	1.0002	0.29174	0.42131	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.201	0.99983	0.29165	0.42117	0.79300
172	15.201	0.99983	0.29165	0.42117	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.402	0.94723	0.27620	0.39902	0.79300
187	16.312	1.0728	0.31282	0.45221	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FF=01 1063.6 FIT 1038.9 SIGMA IC 4.6347 ETAPF 2.4199 DFM 2.3445 CFM 0.9921232

Run 23

NASA-LEWIS PRELIMINARY DATA CARDF-II FACILITY RX/X1 PROGRAM C03A PDGS 1438 TO 1437
TIME AND DATE PROCESSED 03:51:25 JUN 13 1979

NOZZLE TYPE — P&W BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS — TAKEOFF
NOZZLE CONFIGURATION — C3
PRIMARY-NOZZLE PLUG — SPLIT PLUG (EXTENDED)
FLOW SPLITTER — ISENTROPIC SPLITTER
FAN NOZZLE — SHORT FLAP
CLAMSHELL POSITION — 21 DEG
EJECTOR INLET OPENING — MIDWAY

PDG	WD	PTF/PTP	PTF/PD	PTP/PD	OMEGA	PTS/PTF	CDF	CDP	CF1	ETA1	ETA1,INT	CFP1	CFP2	FG
1409	0.012	1.69	1.81	1.07	0.000	0.549	0.964	0.840	0.9390	0.9390	0.9390	0.9390	0.9430	******
1409	0.010	1.68	2.11	1.26	0.000	0.471	0.966	0.895	0.9285	0.9285	0.9285	0.9285	0.9310	******
1410	0.041	1.67	2.52	1.50	0.000	0.395	0.967	0.944	0.8928	0.8928	0.8928	0.8928	0.8959	******
1411	0.054	1.70	3.12	1.84	0.000	0.321	0.967	0.948	0.8764	0.8764	0.8764	0.8764	0.8791	******
1412	0.041	1.69	2.76	1.63	0.000	0.361	0.967	0.959	0.8824	0.8824	0.8824	0.8824	0.8856	******
1413	0.052	1.70	3.61	2.12	0.000	0.279	0.968	0.927	0.9083	0.9083	0.9083	0.9083	0.9105	******
1414	0.055	1.70	4.18	2.47	0.000	0.244	0.970	0.969	0.8995	0.8995	0.8995	0.8995	0.9016	******
1415	0.060	1.71	4.19	2.47	0.000	0.243	0.969	0.969	0.8998	0.8998	0.8998	0.8998	0.9016	******
1416	0.055	1.70	3.59	2.11	0.000	0.279	0.969	0.928	0.9083	0.9083	0.9084	0.9084	0.9105	******
1417	0.052	1.71	3.10	1.83	0.000	0.322	0.968	0.950	0.8764	0.8764	0.8764	0.8764	0.8791	******
1418	0.049	1.69	2.76	1.63	0.000	0.360	0.967	0.959	0.8819	0.8819	0.8819	0.8819	0.8849	******
1419	0.019	1.69	2.49	1.47	0.000	0.399	0.966	0.965	0.8916	0.8916	0.8916	0.8916	0.8947	******
1420	0.023	1.69	2.11	1.25	0.000	0.472	0.967	0.895	0.9220	0.9220	0.9220	0.9220	0.9245	******
1421	0.037	1.70	1.81	1.06	0.000	0.550	0.965	0.842	0.9247	0.9247	0.9248	0.9248	0.9256	******
1422	0.043	1.70	3.61	2.13	0.000	0.279	0.971	0.928	0.9075	0.9075	0.9075	0.9075	0.9096	******
1423	0.004	1.70	1.80	1.06	0.000	0.551	0.963	0.850	0.9300	0.9300	0.9300	0.9300	0.9309	******
1424	0.029	1.46	1.81	1.24	0.000	0.550	0.965	0.910	0.9212	0.9212	0.9213	0.9213	0.9242	******
1425	0.014	1.43	2.11	1.48	0.000	0.470	0.966	0.962	0.9196	0.9196	0.9196	0.9196	0.9233	******
1426	0.037	1.44	2.50	1.74	0.000	0.398	0.968	0.982	0.8944	0.8944	0.8944	0.8944	0.8979	******
1427	0.057	1.46	2.76	1.89	0.000	0.361	0.967	0.990	0.8874	0.8874	0.8874	0.8874	0.8904	******
1428	0.052	1.47	3.11	2.12	0.000	0.323	0.968	0.979	0.8783	0.8783	0.8783	0.8783	0.8809	******
1429	0.057	1.44	3.61	2.50	0.000	0.280	0.969	0.965	0.9050	0.9050	0.9050	0.9050	0.9071	******
1430	0.063	1.45	4.13	2.85	0.000	0.247	0.972	0.983	0.9004	0.9004	0.9004	0.9004	0.9023	******
1431	0.052	1.45	4.14	2.85	0.000	0.247	0.969	0.983	0.9004	0.9004	0.9004	0.9004	0.9023	******
1432	0.055	1.45	3.60	2.49	0.000	0.280	0.970	0.965	0.9048	0.9048	0.9048	0.9048	0.9069	******
1433	0.043	1.47	3.10	2.10	0.000	0.324	0.968	0.979	0.8787	0.8787	0.8787	0.8787	0.8813	******
1434	0.053	1.46	2.75	1.89	0.000	0.362	0.967	0.979	0.8860	0.8860	0.8861	0.8861	0.8891	******
1435	0.035	1.44	2.51	1.74	0.000	0.397	0.967	0.981	0.8963	0.8963	0.8963	0.8963	0.8998	******
1436	0.031	1.43	2.12	1.48	0.000	0.471	0.965	0.961	0.9226	0.9226	0.9226	0.9226	0.9263	******
1437	0.019	1.45	1.81	1.25	0.000	0.549	0.964	0.914	0.9243	0.9243	0.9243	0.9243	0.9273	******

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REF 10/24/79 20:29:58.54R FAC 9X6X1 PGM C034 RDG 140R

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.509	1.0124	0.55976	0.94561	0.72200
37	14.689	1.0249	0.56670	0.95732	0.82000
47	14.738	1.0284	0.56862	0.96057	0.91900
52	14.748	1.0291	0.56901	0.96123	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.589	1.0180	0.56285	0.95081	0.42200
67	14.514	1.0127	0.55996	0.94593	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.567	0.87687	0.48483	0.81902	0.50800
82	16.016	1.1176	0.61793	1.0439	0.58300
92	14.299	0.99776	0.55167	0.93194	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.269	0.99567	0.55052	0.92999	-1.0000
-112	14.264	0.99533	0.55033	0.92966	-1.0000
-122	14.264	0.99533	0.55033	0.92966	-1.0000
-127	14.269	0.99567	0.55052	0.92999	-1.0000
-137	14.249	0.99428	0.54975	0.92869	-1.0000
-142	14.204	0.99114	0.54801	0.92576	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.269	0.99567	0.55052	0.92999	0.39800
112	14.264	0.99533	0.55033	0.92966	0.43100
122	14.264	0.99533	0.55033	0.92966	0.44900
127	14.269	0.99567	0.55052	0.92999	0.48600
137	14.249	0.99428	0.54975	0.92869	0.52200
142	14.204	0.99114	0.54801	0.92576	0.58600
-147	14.304	0.99811	0.55187	0.93227	-1.0000
-157	14.309	0.99846	0.55206	0.93259	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.304	0.99811	0.55187	0.93227	-1.0000
-157	14.309	0.99846	0.55206	0.93259	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.304	0.99811	0.55187	0.93227	0.79300
172	14.309	0.99846	0.55206	0.93259	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
183	13.615	0.95004	0.52528	0.88736	0.79300
187	13.520	0.94342	0.52162	0.88118	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-01 284.83 FIC 285.94 SIGMA LF 2.3142 ETARF-0.13212 DSM 0.0041212 CFM 1.0337752

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
42	14.920	1.0342	0.49010	0.82372	0.72200
47	15.499	1.0816	0.51256	0.86146	0.82000
47	15.643	1.0917	0.51735	0.86951	0.91900
52	15.629	1.0907	0.51685	0.86867	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
42	15.239	1.0635	0.50397	0.84703	0.42200
47	14.934	1.0422	0.49390	0.83010	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.398	0.86522	0.41001	0.68911	0.50800
82	16.712	1.1663	0.55268	0.92889	0.58300
92	14.245	0.99694	0.47247	0.79402	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.250	0.99450	0.47128	0.79208	-1.0000
-112	14.250	0.99450	0.47128	0.79208	-1.0000
-122	14.255	0.99485	0.47144	0.79236	-1.0000
-127	14.270	0.99590	0.47194	0.79319	-1.0000
-137	14.245	0.99418	0.47111	0.79180	-1.0000
-142	14.205	0.99137	0.46979	0.78958	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.250	0.99450	0.47128	0.79208	0.39800
112	14.250	0.99450	0.47128	0.79208	0.43100
122	14.255	0.99485	0.47144	0.79236	0.44900
127	14.270	0.99590	0.47194	0.79319	0.48600
137	14.245	0.99418	0.47111	0.79180	0.52200
142	14.205	0.99137	0.46979	0.78958	0.58800
152	14.300	0.99799	0.47293	0.79485	-1.0000
157	14.299	0.99834	0.47309	0.79513	-1.0000

>ADDITIONAL PRESSURE RATIOS , F&A NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.300	0.99799	0.47293	0.79485	-1.0000
-157	14.299	0.99834	0.47309	0.79513	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.300	0.99799	0.47293	0.79485	0.79300
172	14.310	0.99869	0.47326	0.79541	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.401	0.93526	0.44330	0.74490	0.79300
187	13.397	0.92864	0.44007	0.73962	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

[illegible] FLT 406.76 SIGMA IC 2.5298 ETARF-0.072544 DSM 0.0329607 CFM 0.0039319

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.803	1.0347	0.41128	0.68858	0.72200
37	16.596	1.1596	0.46091	0.77168	0.82000
47	16.946	1.1847	0.47089	0.78839	0.91900
52	16.891	1.1801	0.46900	0.78537	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.659	1.0947	0.43512	0.72851	0.42200
67	14.301	0.99982	0.39741	0.66537	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.1426	0.56926	0.22627	0.37883	0.50800
82	20.767	1.4518	0.57707	0.96617	0.58300
92	14.267	0.99738	0.39664	0.66375	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.212	0.99355	0.39492	0.66119	-1.0000
-112	14.207	0.99320	0.39478	0.66096	-1.0000
-122	14.202	0.99285	0.39464	0.66073	-1.0000
-127	14.232	0.99494	0.39547	0.66212	-1.0000
-137	14.232	0.99494	0.39547	0.66212	-1.0000
-142	14.222	0.99424	0.39519	0.66166	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.212	0.99355	0.39492	0.66119	0.39800
112	14.207	0.99320	0.39478	0.66096	0.42100
122	14.202	0.99285	0.39464	0.66073	0.44900
127	14.232	0.99494	0.39547	0.66212	0.48600
137	14.232	0.99494	0.39547	0.66212	0.52200
142	14.222	0.99424	0.39519	0.66166	0.58800
-162	14.296	0.99874	0.39701	0.66467	-1.0000
-167	14.291	0.99843	0.39686	0.66444	-1.0000

>ADDITIONAL PRESSURE RATIOS , PAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-162	14.296	0.99874	0.39700	0.66467	-1.0000
-167	14.291	0.99843	0.39686	0.66444	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.296	0.99878	0.39700	0.66467	0.79300
172	14.286	0.99878	0.39700	0.66467	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.244	0.92587	0.36802	0.61616	0.79300
187	13.229	0.92483	0.36760	0.61546	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=31 551.67 FIC 550.42 SIGMA FC 2.2745 ETAPF 0.20873 DSM 0.040647 DFM 0.0030362

RUN 03

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 20:38:44.619 FAC 8X6X1 PGM C034 PRG 1411

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	16.010	1.1207	0.35914	0.60982	0.72200
37	19.089	1.3362	0.42819	0.72708	0.82000
47	19.468	1.3628	0.43670	0.74153	0.91900
52	19.094	1.3366	0.42831	0.72727	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	18.620	1.3034	0.41767	0.70922	0.42200
67	16.749	1.1724	0.37570	0.63795	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	10.431	0.73014	0.23397	0.39729	0.50800
82	14.898	1.0428	0.33417	0.56744	0.58300
92	14.249	0.99742	0.31962	0.54273	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.184	0.99288	0.31817	0.54025	-1.0000
-112	14.164	0.99148	0.31772	0.53949	-1.0000
-122	14.174	0.99219	0.31794	0.53987	-1.0000
-127	14.224	0.99567	0.31906	0.54178	-1.0000
-137	14.239	0.99672	0.31940	0.54236	-1.0000
-162	14.209	0.99463	0.31873	0.54121	-1.0000

>ADDITIONAL PRESSURE RATIOS , ECPERODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.184	0.99288	0.31817	0.54025	0.39800
112	14.164	0.99148	0.31772	0.53949	0.43100
122	14.174	0.99219	0.31794	0.53987	0.44900
127	14.224	0.99567	0.31906	0.54178	0.48600
137	14.239	0.99672	0.31940	0.54236	0.52200
142	14.209	0.99463	0.31873	0.54121	0.58800
-152	14.279	0.99952	0.32029	0.54387	-1.0000
-157	14.279	0.99952	0.32029	0.54387	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.279	0.99952	0.32029	0.54387	-1.0000
-157	14.279	0.99952	0.32029	0.54387	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.274	0.99917	0.32018	0.54368	0.79300
172	14.274	0.99917	0.32018	0.54368	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.221	0.92546	0.29656	0.50357	0.79300
187	13.196	0.92371	0.29600	0.50262	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=1 752.18 FIC 750.51 SIGMA FC 2.5555 ETAPE 0.60297 DSM 0.066997 CFM 0.9929920

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.993	1.0473	0.37995	0.64201	0.72200
37	17.433	1.2177	0.44178	0.74649	0.82000
47	17.837	1.2459	0.45202	0.76380	0.91900
52	17.668	1.2341	0.44772	0.75654	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	16.600	1.1595	0.42066	0.71081	0.42200
67	14.828	1.0358	0.37577	0.63496	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.0732	0.63376	0.22993	0.38852	0.50800
82	19.174	1.3393	0.48591	0.82106	0.58300
92	14.260	0.99603	0.36136	0.61060	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.195	0.99150	0.35971	0.60782	-1.0000
-112	14.190	0.99115	0.35959	0.60761	-1.0000
-122	14.210	0.99254	0.36009	0.60846	-1.0000
-127	14.245	0.99498	0.36098	0.60996	-1.0000
-137	14.245	0.99498	0.36098	0.60996	-1.0000
-142	14.220	0.99324	0.36034	0.60889	-1.0000

>ADDITIONAL PRESSURE RATIOS , ECPERBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.195	0.99150	0.35971	0.60782	0.39800
112	14.190	0.99115	0.35959	0.60761	0.43100
122	14.210	0.99254	0.36009	0.60846	0.44900
127	14.245	0.99498	0.36098	0.60996	0.48600
137	14.245	0.99498	0.36098	0.60996	0.52200
142	14.220	0.99324	0.36034	0.60889	0.58800
-152	14.284	0.99777	0.36199	0.61167	-1.0000
-157	14.284	0.99777	0.36199	0.61167	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.284	0.99777	0.36199	0.61167	-1.0000
-157	14.284	0.99777	0.36199	0.61167	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.279	0.99742	0.36186	0.61145	0.79300
172	14.279	0.99742	0.36186	0.61145	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.236	0.92457	0.33543	0.56679	0.79300
187	13.221	0.92352	0.33505	0.56615	0.84400

>>TION 5 , MEASURED THRUST PARAMETERS

(F-N) 431.64 FIC 429.58 SIGMA IC 1.0879 FTARE 3.023912 DSM 0.040634 CFM 0.0330348

RUN23

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL PEC 10/24/79 20:42:47.256 FAC AV4X1 PGM C036 PRG 1413

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
32	18.257	1.2770	0.35352	0.60103	0.72200
47	20.153	1.4097	0.39025	0.66347	0.82000
47	21.266	1.4875	0.41182	0.70011	0.91900
52	21.176	1.4778	0.40910	0.69551	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
62	22.160	1.5503	0.42910	0.72952	0.42200
67	20.533	1.4362	0.39759	0.67595	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
77	12.132	0.84861	0.23492	0.39940	0.50800
82	17.298	1.2100	0.33497	0.56948	0.58300
92	14.259	0.99737	0.27611	0.46941	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
-107	14.204	0.99353	0.27504	0.46760	-1.0000
-112	14.199	0.99318	0.27495	0.46744	-1.0000
-122	14.189	0.99248	0.27475	0.46711	-1.0000
-127	14.214	0.99423	0.27524	0.46793	-1.0000
-137	14.184	0.99213	0.27466	0.46694	-1.0000
-142	14.169	0.99109	0.27437	0.46645	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
107	14.204	0.99353	0.27504	0.46760	0.39800
112	14.199	0.99318	0.27495	0.46744	0.43100
122	14.189	0.99248	0.27475	0.46711	0.44900
127	14.214	0.99423	0.27524	0.46793	0.48600
137	14.184	0.99213	0.27466	0.46694	0.52200
142	14.169	0.99109	0.27437	0.46645	0.58800
-152	14.289	0.99947	0.27669	0.47040	-1.0000
-157	14.284	0.99912	0.27659	0.47023	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
-152	14.289	0.99947	0.27669	0.47040	-1.0000
-157	14.284	0.99912	0.27659	0.47023	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
167	14.284	0.99912	0.27659	0.47023	0.79300
172	14.284	0.99912	0.27659	0.47023	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
182	13.300	0.93033	0.25755	0.43796	0.79300
187	13.265	0.92788	0.25687	0.43671	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

(E-3) 855.29 FIC 851.71 SIGMA IC 2.7283 ETAPE 0.61502 PSM 0.262517 CFM 0.3029192

RUN 23

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 20:44:48.173 F8C 8X6X1 PGM C034 PDG 1414

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	18.721	1.3106	0.31333	0.53159	0.72200
37	23.388	1.6372	0.39142	0.66418	0.82000
47	24.611	1.7228	0.41189	0.69880	0.91900
52	24.361	1.7054	0.40771	0.69171	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	24.331	1.7033	0.40721	0.69086	0.42200
67	20.623	1.4437	0.34515	0.58557	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.995	0.97968	0.23422	0.39737	0.50800
82	20.059	1.4042	0.33571	0.56956	0.58300
92	14.249	0.99750	0.23848	0.40459	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.139	0.98981	0.23664	0.40148	-1.0000
-112	14.114	0.98806	0.23622	0.40077	-1.0000
-122	14.119	0.98841	0.23631	0.40091	-1.0000
-127	14.189	0.99331	0.23748	0.40289	-1.0000
-137	14.204	0.99435	0.23773	0.40332	-1.0000
-142	14.219	0.99540	0.23798	0.40374	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.139	0.98981	0.23664	0.40148	0.39800
112	14.114	0.98806	0.23622	0.40077	0.43100
122	14.119	0.98841	0.23631	0.40091	0.44900
127	14.189	0.99331	0.23748	0.40289	0.48600
137	14.204	0.99435	0.23773	0.40332	0.52200
142	14.219	0.99540	0.23798	0.40374	0.58800
-152	14.279	0.99959	0.23898	0.40545	-1.0000
-157	14.279	0.99959	0.23898	0.40545	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.279	0.99959	0.23898	0.40545	-1.0000
-157	14.279	0.99959	0.23898	0.40545	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.279	0.99959	0.23898	0.40545	0.79300
172	14.279	0.99959	0.23898	0.40545	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.665	0.95661	0.22870	0.38801	0.79300
187	13.443	0.94107	0.22829	0.38730	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

(F-N) 1149.7 FIC 1167.5 SIGMA FC 2.7950 ETAPF 0.19291 DSM 0.2704/5 CFM 1.0328879

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NASA-LEWIS PRELIMINARY DATA 06/13/79 FADDEII REC 10/24/79 20:45:46.516 FAC 8X6X1 PGM C034 RDG 1415

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	18.714	1.3099	0.31256	0.53121	0.72200
37	23.492	1.6394	0.39120	0.66487	0.82000
47	24.666	1.7265	0.41197	0.70016	0.91900
52	24.411	1.7086	0.40771	0.69293	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	24.356	1.7048	0.40680	0.69137	0.42200
67	20.601	1.4420	0.34408	0.58479	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	14.020	0.98133	0.23416	0.39798	0.50800
82	20.072	1.4049	0.33524	0.56976	0.58300
92	14.245	0.99705	0.23792	0.40435	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.140	0.98971	0.23617	0.40138	-1.0000
-112	14.110	0.98762	0.23567	0.40053	-1.0000
-122	14.135	0.98936	0.23608	0.40124	-1.0000
-127	14.195	0.99356	0.23708	0.40294	-1.0000
-132	14.190	0.99321	0.23700	0.40280	-1.0000
-142	14.215	0.99496	0.23742	0.40350	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.140	0.98971	0.23617	0.40138	0.39800
112	14.110	0.98762	0.23567	0.40053	0.43100
122	14.135	0.98936	0.23608	0.40124	0.44900
127	14.195	0.99356	0.23708	0.40294	0.48600
132	14.190	0.99321	0.23700	0.40280	0.52200
142	14.215	0.99496	0.23742	0.40350	0.58800
-152	14.270	0.99880	0.23834	0.40506	-1.0000
-157	14.280	0.99950	0.23850	0.40535	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.270	0.99880	0.23834	0.40506	-1.0000
-157	14.280	0.99950	0.23850	0.40535	-1.0000

>ADDITIONAL PRESSURE RATIOS , 70 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
157	14.275	0.99915	0.23842	0.40521	0.79300
172	14.280	0.99950	0.23850	0.40535	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.665	0.95651	0.22824	0.38791	0.79300
187	13.645	0.95511	0.22791	0.38734	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

FG=91 1170.9 FJC 1169.2 SIGMA JC 3.8487 ETARF 0.58905 DSM 0.002648 CFM 0.0028479

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	18.149	1.2691	0.35346	0.60097	0.72200
37	19.987	1.3975	0.38924	0.66181	0.82000
47	21.115	1.4764	0.41127	0.69918	0.91900
52	21.305	1.4898	0.40908	0.69554	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
52	22.344	1.5416	0.42930	0.72993	0.42200
67	20.426	1.4283	0.39780	0.67636	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.092	0.84550	0.23549	0.40039	0.50800
82	17.200	1.2027	0.33498	0.56956	0.58300
92	16.256	0.99672	0.27761	0.47200	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.199	0.99288	0.27654	0.47018	-1.0000
-112	14.204	0.99323	0.27663	0.47035	-1.0000
-122	14.189	0.99218	0.27634	0.46985	-1.0000
-127	14.204	0.99323	0.27663	0.47035	-1.0000
-137	14.174	0.99113	0.27605	0.46935	-1.0000
-152	14.164	0.99043	0.27585	0.46902	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.199	0.99288	0.27654	0.47018	0.39800
112	14.204	0.99323	0.27663	0.47035	0.43100
122	14.189	0.99218	0.27634	0.46985	0.44900
127	14.204	0.99323	0.27663	0.47035	0.48600
137	14.174	0.99113	0.27605	0.46935	0.52200
142	14.164	0.99043	0.27585	0.46902	0.58800
152	14.279	0.99847	0.27809	0.47283	1.0000
162	14.279	0.99847	0.27809	0.47283	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLEP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.279	0.99847	0.27809	0.47283	-1.0000
-162	14.279	0.99847	0.27809	0.47283	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.279	0.99847	0.27809	0.47283	0.79300
172	14.279	0.99847	0.27809	0.47283	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.775	0.92827	0.25854	0.43959	0.79300
187	13.776	0.92478	0.25757	0.43793	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=91 548.44 FI= 947.76 SIGMA IC 2.2670 ETARE 0.31036 DSM 0.070516 CFM 0.0028969

RUN 23

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 20:50:06.446 FAC 9X6X1 PGM C034 RDG 1417

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.916	1.1129	0.35865	0.60911	0.72200
37	19.036	1.3308	0.42826	0.72734	0.82000
47	19.385	1.3553	0.43681	0.74185	0.91900
52	19.026	1.3302	0.42871	0.72810	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
42	18.526	1.2953	0.41747	0.70900	0.42200
47	16.669	1.1648	0.37541	0.63757	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	10.425	0.72885	0.23490	0.39894	0.50800
82	14.863	1.0392	0.33492	0.56880	0.58300
92	14.256	0.99659	0.32110	0.54550	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.189	0.99205	0.31973	0.54301	-1.0000
-112	14.174	0.99100	0.31939	0.54244	-1.0000
-122	14.186	0.99170	0.31962	0.54282	-1.0000
-127	14.239	0.99554	0.32086	0.54492	-1.0000
-137	14.239	0.99554	0.32086	0.54492	-1.0000
-142	14.224	0.99449	0.32052	0.54435	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.189	0.99205	0.31973	0.54301	0.39800
112	14.174	0.99100	0.31939	0.54244	0.43100
122	14.186	0.99170	0.31962	0.54282	0.44900
127	14.239	0.99554	0.32086	0.54492	0.46800
137	14.239	0.99554	0.32086	0.54492	0.52200
142	14.224	0.99449	0.32052	0.54435	0.58800
-147	14.274	0.99798	0.32164	0.54626	-1.0000
-157	14.279	0.99833	0.32175	0.54645	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.274	0.99798	0.32164	0.54626	-1.0000
-157	14.279	0.99833	0.32175	0.54645	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.279	0.99833	0.32175	0.54645	0.79300
172	14.279	0.99833	0.32175	0.54645	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.221	0.92434	0.29791	0.50595	0.79300
187	13.201	0.92294	0.29746	0.50518	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=31 747.43 FJC 745.96 SIGMA FC 3.3718 FFARF 1.42045 DSM 0.062505 CFM 0.3029181

RUN 23

NASA-LEWIS PRELIMINARY DATA 04/13/79 CADDELL REC 10/24/79 20:51:04.796 FAC 9WAKE PGM C034 PRG 1418

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.399	1.0487	0.37934	0.64167	0.72200
37	17.453	1.2301	0.44135	0.74656	0.82000
42	17.865	1.2477	0.45132	0.76364	0.91900
52	17.675	1.2358	0.44703	0.75617	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	16.636	1.1632	0.42076	0.71174	0.42200
67	14.864	1.0392	0.37593	0.63569	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.1245	0.63797	0.23078	0.39037	0.50800
87	18.743	1.3105	0.47405	0.80188	0.58300
92	14.276	0.99806	0.36103	0.61069	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.215	0.99385	0.35951	0.60813	-1.0000
-112	14.235	0.99316	0.35926	0.60770	-1.0000
-122	14.220	0.99420	0.35964	0.60834	-1.0000
-127	14.249	0.99630	0.36043	0.60963	-1.0000
-137	14.244	0.99595	0.36027	0.60941	-1.0000
-142	14.225	0.99455	0.35976	0.60856	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.215	0.99385	0.35951	0.60813	0.39800
112	14.235	0.99316	0.35926	0.60770	0.43100
122	14.220	0.99420	0.35964	0.60834	0.44900
127	14.249	0.99630	0.36040	0.60963	0.48600
137	14.244	0.99595	0.36027	0.60941	0.52700
142	14.225	0.99455	0.35976	0.60856	0.58800
-152	14.298	0.99874	0.36128	0.61112	-1.0000
-157	14.299	0.99909	0.36141	0.61133	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.298	0.99874	0.36128	0.61112	-1.0000
-157	14.299	0.99909	0.36141	0.61133	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.299	0.99909	0.36141	0.61133	0.79300
172	14.299	0.99909	0.36141	0.61133	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.246	0.92611	0.33501	0.56668	0.79300
187	13.236	0.92542	0.33475	0.56625	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

[illegible] FG 630.03 SIGMA FG 2.0868 FSLRF 0.31158 DSM 0.055978 DFM 0.0029671

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.763	1.0304	0.41430	0.69926	0.72200
37	15.462	1.1492	0.46174	0.77991	0.82000
47	16.891	1.1729	0.47126	0.79559	0.91900
52	16.737	1.1684	0.46944	0.79251	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.524	1.0837	0.43542	0.73545	0.42200
67	14.296	0.99727	0.40069	0.67679	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.3633	0.56293	0.22617	0.38201	0.50900
82	20.805	1.4524	0.58354	0.98564	0.58300
92	14.271	0.99622	0.40027	0.67609	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.221	0.99274	0.39887	0.67372	-1.0000
-112	14.216	0.99239	0.39873	0.67348	-1.0000
-122	14.211	0.99204	0.39859	0.67325	-1.0000
-127	14.241	0.99413	0.39943	0.67467	-1.0000
-137	14.246	0.99448	0.39957	0.67490	-1.0000
-142	14.221	0.99274	0.39887	0.67372	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.221	0.99274	0.39887	0.67372	0.39800
112	14.216	0.99239	0.39873	0.67348	0.43100
122	14.211	0.99204	0.39859	0.67325	0.44900
127	14.241	0.99413	0.39943	0.67467	0.48600
137	14.246	0.99448	0.39957	0.67490	0.52200
142	14.221	0.99274	0.39887	0.67372	0.58800
152	14.296	0.99727	0.40069	0.67679	-1.0000
157	14.296	0.99727	0.40069	0.67679	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.296	0.99727	0.40069	0.67679	-1.0000
-157	14.296	0.99727	0.40069	0.67679	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.291	0.99762	0.40083	0.67703	0.79300
172	14.291	0.99762	0.40083	0.67703	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.237	0.92408	0.37129	0.62717	0.79300
187	13.232	0.92164	0.37031	0.62547	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FLOW 538.71 FIC 538.22 SIGMF IC 2.1531 ETAPF=0.51581 DSM 0.010461 CFM 0.9936421

RUN 23

NASA-LEWIS PRELIMINARY DATA 06/13/79 C2DDFII REC 10/24/79 20:54:32.775 FAC 8X6X1 PGM C034 RDG 1420

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	14.709	1.0333	0.49040	0.82766	0.72200
37	15.453	1.0790	0.51207	0.86423	0.82000
47	15.598	1.0891	0.51687	0.87232	0.91900
52	15.588	1.0884	0.51654	0.87176	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
42	15.203	1.0615	0.50380	0.85027	0.42200
47	14.909	1.0410	0.49404	0.83380	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	12.413	0.86670	0.41133	0.69421	0.50800
82	16.696	1.1657	0.55325	0.93373	0.58300
92	14.290	0.99774	0.47353	0.79919	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.255	0.99532	0.47237	0.79723	-1.0000
-112	14.250	0.99497	0.47221	0.79695	-1.0000
-122	14.255	0.99532	0.47237	0.79723	-1.0000
-127	14.270	0.99636	0.47287	0.79807	-1.0000
-137	14.249	0.99462	0.47204	0.79667	-1.0000
-142	14.205	0.99183	0.47072	0.79444	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.255	0.99532	0.47237	0.79723	0.39800
112	14.250	0.99497	0.47221	0.79695	0.43100
122	14.255	0.99532	0.47237	0.79723	0.44900
127	14.270	0.99636	0.47287	0.79807	0.48600
137	14.245	0.99462	0.47204	0.79667	0.52200
142	14.205	0.99183	0.47072	0.79444	0.58800
-147	14.299	0.99840	0.47403	0.80002	-1.0000
-152	14.299	0.99840	0.47403	0.80002	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-157	14.305	0.99880	0.47403	0.80002	-1.0000
-157	14.305	0.99880	0.47403	0.80002	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.305	0.99880	0.47403	0.80002	0.79300
172	14.305	0.99880	0.47403	0.80002	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	13.307	0.93537	0.44392	0.74921	0.79300
187	13.292	0.92735	0.44012	0.74279	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=11 402.41 FIC 401.18 SIGMA FG 2.2685 ETAPF 0.21781 DSM 0.014619 CFM 0.0033367

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RUN23

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDETT REC 10/24/79 20:56:43.013 FAC RXAX1 PGM C034 RPG 1421

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	14.451	1.0099	0.55884	0.95270	0.72200
37	14.610	1.0211	0.56502	0.96323	0.82000
47	14.640	1.0232	0.56618	0.96521	0.91900
52	14.655	1.0242	0.56675	0.96620	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	14.491	1.0127	0.56038	0.95534	0.42200
67	14.436	1.0089	0.55826	0.95172	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	12.539	0.87630	0.48490	0.82665	0.50800
82	15.948	1.1146	0.61675	1.0514	0.58300
92	14.286	0.99840	0.55247	0.94186	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.261	0.99666	0.55151	0.94020	-1.0000
-112	14.256	0.99631	0.55131	0.93987	-1.0000
-122	14.256	0.99631	0.55131	0.93987	-1.0000
-127	14.266	0.99701	0.55170	0.94053	-1.0000
-137	14.241	0.99526	0.55073	0.93888	-1.0000
-142	14.181	0.99108	0.54842	0.93493	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.261	0.99666	0.55151	0.94020	0.39800
112	14.256	0.99631	0.55131	0.93987	0.43100
122	14.256	0.99631	0.55131	0.93987	0.44900
127	14.266	0.99701	0.55179	0.94053	0.48600
137	14.241	0.99526	0.55073	0.93888	0.52200
142	14.181	0.99108	0.54842	0.93493	0.58800
-152	14.296	0.99910	0.55286	0.94250	-1.0000
-157	14.296	0.99910	0.55286	0.94250	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.296	0.99910	0.55286	0.94250	-1.0000
-157	14.296	0.99910	0.55286	0.94250	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.296	0.99910	0.55286	0.94250	0.79300
172	14.296	0.99910	0.55286	0.94250	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
187	13.612	0.95131	0.52641	0.89742	0.79300
192	13.507	0.94398	0.52236	0.89050	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-FI 279.37 FIC 277.91 SIGMA FC 2.5914 FTARF 0.42772 DSP 0.033799 CFM 0.9930856

C-4

RUN 23

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFII REC 10/24/79 21:02:58.096 FAC AX&XI PGM C034 RDG 1422

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	18.242	1.2765	0.35244	0.59940	0.72200
37	20.139	1.4086	0.39001	0.66141	0.82000
47	21.262	1.4879	0.41196	0.69865	0.91900
52	21.127	1.4784	0.40935	0.69422	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	22.161	1.5508	0.42938	0.72818	0.42200
57	20.488	1.4337	0.39697	0.67322	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.160	0.85091	0.23560	0.39956	0.50800
82	17.323	1.2122	0.33564	0.56921	0.58300
92	14.247	0.99699	0.27605	0.46815	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.197	0.99350	0.27508	0.46651	-1.0000
-112	14.177	0.99210	0.27469	0.46585	-1.0000
-122	14.187	0.99280	0.27489	0.46618	-1.0000
-127	14.202	0.99384	0.27518	0.46667	-1.0000
-137	14.177	0.99210	0.27469	0.46585	-1.0000
-162	14.157	0.99070	0.27431	0.46519	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.197	0.99350	0.27508	0.46651	0.39800
112	14.177	0.99210	0.27469	0.46585	0.43100
122	14.187	0.99280	0.27489	0.46618	0.44900
127	14.202	0.99384	0.27518	0.46667	0.48600
137	14.177	0.99210	0.27469	0.46585	0.52200
142	14.157	0.99070	0.27431	0.46519	0.58800
-152	14.277	0.99909	0.27663	0.46913	-1.0000
-157	14.272	0.99874	0.27653	0.46897	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.277	0.99909	0.27663	0.46913	-1.0000
-157	14.272	0.99874	0.27653	0.46897	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.277	0.99909	0.27663	0.46913	0.79300
172	14.282	0.99944	0.27673	0.46930	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.309	0.93129	0.25786	0.43730	0.79300
187	13.259	0.92745	0.25679	0.43569	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-G) 557.07 FIF 956.38 SIGMA IF 2.8837 ETAPF=0.047731 DSM 0.064320 CFM 0.0030097

RUN13

VASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT REC 10/24/79 21:06:55.643 FAC 9X6X1 PGM C036 PRG 1423

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.459	1.0087	0.55975	0.94924	0.72200
37	14.629	1.0206	0.56632	0.96038	0.82000
47	14.674	1.0237	0.56806	0.96333	0.91900
52	14.684	1.0244	0.56845	0.96398	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.519	1.0129	0.56207	0.95317	0.42200
67	14.454	1.0084	0.55956	0.94891	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.548	0.87540	0.48576	0.82376	0.50900
82	15.956	1.1132	0.61771	1.0475	0.59300
92	14.285	0.99656	0.55299	0.93778	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.260	0.99482	0.55203	0.93614	-1.0000
-112	14.250	0.99413	0.55164	0.93548	-1.0000
-122	14.250	0.99413	0.55164	0.93548	-1.0000
-127	14.270	0.99552	0.55241	0.93679	-1.0000
-137	14.240	0.99343	0.55125	0.93483	-1.0000
-142	14.190	0.98995	0.54932	0.93156	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.260	0.99482	0.55203	0.93614	0.39800
112	14.250	0.99413	0.55164	0.93548	0.43100
122	14.250	0.99413	0.55164	0.93548	0.44900
127	14.270	0.99552	0.55241	0.93679	0.48600
137	14.240	0.99343	0.55125	0.93483	0.52200
142	14.190	0.98995	0.54932	0.93156	0.58801
-147	14.307	0.99761	0.55357	0.93876	-1.0000
-157	14.295	0.99726	0.55338	0.93843	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.307	0.99761	0.55357	0.93876	-1.0000
-157	14.295	0.99726	0.55338	0.93843	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.295	0.99726	0.55338	0.93843	0.79300
172	14.299	0.99691	0.55319	0.93810	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.606	0.94922	0.52672	0.89322	0.79300
187	13.492	0.94121	0.52228	0.88568	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FF=21 280.67 FIC 279.35 SIGMA FF 3.8356 FTARF=1.67881 DSP 0.00056937 CFS 0.0366632

RUN 23

NASA-LEWIS PRELIMINARY DATA 7/13/79 FEDDEII REC 10/24/79 21:10:48.122 FAC AVAVI PGM C036 PPG 1424

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	14.599	1.0198	0.56384	0.82405	0.72200
37	15.222	1.0633	0.58792	0.85928	0.82000
47	15.352	1.0724	0.59293	0.86658	0.91900
52	15.337	1.0713	0.59236	0.86574	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	15.068	1.0511	0.58118	0.84940	0.42200
67	14.758	1.0309	0.57000	0.83307	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	12.608	0.88068	0.48694	0.71167	0.50800
82	16.046	1.1208	0.61972	0.90573	0.58300
92	14.279	0.99745	0.55150	0.80603	0.67001

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.254	0.99571	0.55054	0.80462	-1.0000
-112	14.254	0.99571	0.55054	0.80462	-1.0000
-122	14.254	0.99571	0.55054	0.80462	-1.0000
-127	14.264	0.99641	0.55092	0.80518	-1.0000
-137	14.244	0.99501	0.55015	0.80406	-1.0000
-142	14.209	0.99257	0.54880	0.80208	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.254	0.99571	0.55054	0.80462	0.39800
112	14.254	0.99571	0.55054	0.80462	0.43100
122	14.254	0.99571	0.55054	0.80462	0.44900
127	14.264	0.99641	0.55092	0.80518	0.48800
137	14.244	0.99501	0.55015	0.80406	0.52200
142	14.209	0.99257	0.54880	0.80208	0.58800
-147	14.249	0.99579	0.55189	0.80659	-1.0000
-157	14.249	0.99815	0.55189	0.80659	-1.0000

>ADDITIONAL PRESSURE RATIOS , EON NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-157	14.249	0.99815	0.55189	0.80659	-1.0000
-157	14.289	0.99815	0.55189	0.80659	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.296	0.99850	0.55208	0.80687	0.79300
172	14.289	0.99815	0.55189	0.80659	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	13.546	0.94622	0.52317	0.76467	0.79300
187	13.491	0.93958	0.51951	0.75927	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 321.88 FLC 320.93 SIGMA FC 1.5024 ETAPF=0.979060 DSP 0.021968 CFG 0.0032087

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RUN23

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/26/79 21:12:31.873 FAC SWEXT PGM C034 RDG 1625

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	14.310	0.99891	0.47287	0.67498	0.72200
37	15.900	1.1099	0.52543	0.75000	0.82000
47	16.256	1.1346	0.53712	0.76669	0.91900
52	16.256	1.1346	0.53712	0.76669	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	15.636	1.0894	0.51571	0.73612	0.42200
67	14.534	1.0146	0.48028	0.68556	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	12.395	0.86525	0.40960	0.58466	0.50800
82	16.693	1.1653	0.55162	0.78739	0.58300
92	14.275	0.99648	0.47172	0.67333	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.235	0.99369	0.47040	0.67145	-1.0000
-112	14.240	0.99404	0.47056	0.67169	-1.0000
-122	14.235	0.99369	0.47040	0.67145	-1.0000
-127	14.255	0.99508	0.47106	0.67239	-1.0000
-137	14.230	0.99334	0.47023	0.67122	-1.0000
-142	14.195	0.99091	0.46909	0.66957	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.235	0.99369	0.47040	0.67145	0.39800
112	14.240	0.99404	0.47056	0.67169	0.43100
122	14.235	0.99369	0.47040	0.67145	0.44900
127	14.255	0.99508	0.47106	0.67239	0.48600
137	14.230	0.99334	0.47023	0.67122	0.52200
142	14.195	0.99091	0.46909	0.66957	0.58800
-147	14.283	0.99717	0.47205	0.67380	-1.0000
-157	14.299	0.99752	0.47221	0.67404	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.285	0.99717	0.47205	0.67380	-1.0000
-157	14.299	0.99752	0.47221	0.67404	-1.0000

>ADDITIONAL PRESSURE RATIOS , 70 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.299	0.99752	0.47221	0.67404	0.79300
172	14.299	0.99752	0.47221	0.67404	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.413	0.93626	0.44321	0.63265	0.79300
187	13.309	0.92895	0.43975	0.62771	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 458.13 FIC 457.44 SIGMF IC 1.0202 FTARE=0.31260 DSM 0.0056631 DFM 0.0035799

RUN 23

VASA-HWIS PRELIMINARY DATA 06/13/79 FADDEEV REC 10/24/79 21:16:18.680 FAP 4X6X1 PGM C034 PAG 1426

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.249	0.92620	0.37089	0.53275	0.72200
37	15.973	1.1164	0.44713	0.64228	0.82000
42	17.359	1.2128	0.48567	0.69762	0.91900
52	17.459	1.2205	0.48874	0.70204	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	16.821	1.1759	0.47087	0.67637	0.42200
67	13.249	0.92620	0.37089	0.53275	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.0592	0.56338	0.22560	0.32406	0.50800
82	20.751	1.4506	0.58089	0.83441	0.58300
92	14.252	0.99630	0.39896	0.57307	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.197	0.99246	0.39742	0.57087	-1.0000
-112	14.177	0.99107	0.39686	0.57007	-1.0000
-122	14.192	0.99211	0.39728	0.57067	-1.0000
-127	14.217	0.99386	0.39798	0.57167	-1.0000
-137	14.202	0.99281	0.39756	0.57107	-1.0000
-142	14.192	0.99211	0.39728	0.57067	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.197	0.99246	0.39742	0.57087	0.39800
112	14.177	0.99107	0.39686	0.57007	0.43100
122	14.192	0.99211	0.39728	0.57067	0.44900
127	14.217	0.99386	0.39798	0.57167	0.48600
137	14.202	0.99281	0.39756	0.57107	0.52200
142	14.192	0.99211	0.39728	0.57067	0.58800
-152	14.277	0.99804	0.39965	0.57408	-1.0000
-157	14.272	0.99769	0.39951	0.57388	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.277	0.99804	0.39965	0.57408	-1.0000
-157	14.272	0.99769	0.39951	0.57388	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.267	0.99734	0.39937	0.57368	0.79300
172	14.277	0.99804	0.39965	0.57408	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.299	0.92969	0.37228	0.53476	0.79300
187	13.279	0.92829	0.37172	0.53396	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-PI 524.11 FIC 505.05 SIGMA IC 2.6688 FTAPF 0.078381 DSM 0.033830 FEM 0.0030869

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.765	0.96234	0.34873	0.50880	0.72200
37	16.697	1.1673	0.42301	0.61718	0.82000
47	18.333	1.2817	0.46444	0.67763	0.91900
52	19.417	1.2876	0.46659	0.68077	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	18.348	1.2827	0.46482	0.67819	0.42200
67	14.439	1.0173	0.36503	0.53258	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.0961	0.63522	0.23019	0.33585	0.50800
82	19.[illegible]	1.3305	0.48213	0.70343	1.5830
92	14.249	0.99615	0.36098	0.52665	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.199	0.99267	0.35972	0.52484	-1.0000
-112	14.184	0.99162	0.35934	0.52429	-1.0000
-122	14.194	0.99232	0.35959	0.52466	-1.0000
-127	14.234	0.99511	0.36060	0.52613	-1.0000
-137	14.239	0.99546	0.36073	0.52631	-1.0000
-142	14.224	0.99441	0.36035	0.52576	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.199	0.99267	0.35972	0.52484	0.39800
112	14.184	0.99162	0.35934	0.52429	0.43100
122	14.194	0.99232	0.35959	0.52466	0.44900
127	14.234	0.99511	0.36060	0.52613	0.49600
137	14.239	0.99546	0.36073	0.52631	0.52200
142	14.224	0.99441	0.36035	0.52576	0.58800
-147	14.269	0.99755	0.36149	0.52742	-1.0000
-157	14.269	0.99755	0.36149	0.52742	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.269	0.99755	0.36149	0.52742	-1.0000
-157	14.269	0.99755	0.36149	0.52742	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.274	0.99790	0.36161	0.52760	0.79300
172	14.269	0.99755	0.36149	0.52742	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.316	0.93096	0.33736	0.49221	0.79300
187	13.306	0.93026	0.33710	0.49184	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

[illegible] FEC 682.59 SIGMA FC 2.0237 FTARG 0.66986 DSP 0.763608 FEN 0.0929170

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RUN23

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL PEC 10/24/79 21:20:23.837 F4C 9X4X1 PGM C036 RDG 1428

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.796	1.0341	0.33266	0.48805	0.72200
37	18.713	1.3080	0.42108	0.61778	0.82007
47	20.204	1.4133	0.45463	0.66703	0.91900
52	19.980	1.3976	0.44958	0.65958	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
52	20.563	1.4384	0.46271	0.67885	0.42200
67	16.614	1.1621	0.37384	0.54847	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	10.416	0.72846	0.23433	0.34380	0.50800
82	14.853	1.0390	0.33423	0.49036	0.58300
92	14.240	0.99610	0.32042	0.47010	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.170	0.99121	0.31885	0.46780	-1.0000
-112	14.145	0.98947	0.31829	0.46698	-1.0000
-122	14.160	0.99051	0.31863	0.46747	-1.0000
-127	14.225	0.99505	0.32009	0.46961	-1.0000
-137	14.250	0.99679	0.32065	0.47043	-1.0000
-142	14.225	0.99505	0.32009	0.46961	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.170	0.99121	0.31885	0.46780	0.39800
112	14.145	0.98947	0.31829	0.46698	0.43100
122	14.160	0.99051	0.31863	0.46747	0.44900
127	14.225	0.99505	0.32009	0.46961	0.48600
137	14.250	0.99679	0.32065	0.47043	0.52200
142	14.225	0.99505	0.32009	0.46961	0.58800
-147	14.269	0.99814	0.32109	0.47107	-1.0000
-157	14.270	0.99819	0.32110	0.47109	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.265	0.99784	0.32099	0.47093	-1.0000
-152	14.270	0.99819	0.32110	0.47109	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.270	0.99819	0.32110	0.47109	0.79300
172	14.265	0.99784	0.32099	0.47093	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.372	0.93539	0.30090	0.44145	0.79300
187	13.347	0.93364	0.30034	0.44063	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 804.90 FLC 803.76 SIGMA FC 3.8004 ETARF 0.47383 PCM 0.362668 PEM 3.3330376

RUN23

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT REC 10/24/79 21:22:39.720 FAC AY6X1 PGM F034 RBG 2429

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	11.413	0.79881	0.22138	0.31970	0.72200
37	20.200	1.4138	0.39184	0.56585	0.82000
47	22.987	1.6089	0.44591	0.64393	0.91900
52	22.798	1.5957	0.44223	0.63862	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	24.837	1.7384	0.48180	0.69576	0.42200
67	21.541	1.5077	0.41786	0.60342	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	12.126	0.84873	0.23522	0.33968	0.50800
82	17.263	1.2083	0.33486	0.48357	0.58300
92	14.231	0.99606	0.27605	0.39864	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.141	0.98978	0.27431	0.39613	-1.0000
-112	14.126	0.98873	0.27402	0.39571	-1.0000
-122	14.136	0.98943	0.27421	0.39599	-1.0000
-127	14.186	0.99292	0.27518	0.39738	-1.0000
-137	14.166	0.99152	0.27479	0.39682	-1.0000
-142	14.176	0.99222	0.27499	0.39710	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.141	0.98978	0.27431	0.39613	0.39200
112	14.126	0.98873	0.27402	0.39571	0.43160
122	14.136	0.98943	0.27421	0.39599	0.44900
127	14.186	0.99292	0.27518	0.39738	0.48600
137	14.166	0.99152	0.27479	0.39682	0.52200
142	14.176	0.99222	0.27499	0.39710	0.58800
-142	14.266	0.99850	0.27673	0.39962	-1.0000
-147	14.261	0.99815	0.27663	0.39948	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.266	0.99850	0.27673	0.39962	-1.0000
-157	14.261	0.99815	0.27663	0.39948	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.261	0.99815	0.27663	0.39948	0.79300
172	14.261	0.99815	0.27663	0.39948	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.518	0.94614	0.26221	0.37866	0.79300
187	13.488	0.94404	0.26163	0.37782	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-DI 1024.7 FIF 1023.3 SIGMA IF 2.6737 ETADF 0.91211 DSM 0.075210 CFM 0.0029694

NASA-LEWIS PRELIMINARY DATA 06/13/79 CARNETT REC 10/24/79 21:24:41.642 FAC 9X6X1 PGM C034 RNG 1430

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	11.[illegible]	0.78351	0.18962	0.27497	0.72200
37	23.443	1.6416	0.39739	0.57612	0.82000
47	26.126	1.8295	0.44277	0.64206	0.91900
52	25.937	1.8162	0.43905	0.63667	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	27.568	1.9305	0.46720	0.67749	0.42200
67	21.488	1.5047	0.36417	0.52808	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.888	0.97250	0.23536	0.34130	0.50000
82	19.842	1.3895	0.33628	0.48763	0.58300
92	14.227	0.99625	0.24111	0.34963	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.112	0.98822	0.23916	0.34681	-1.0000
-112	14.077	0.98577	0.23857	0.34595	-1.0000
-122	14.107	0.98787	0.23908	0.34669	-1.0000
-127	14.202	0.99450	0.24069	0.34902	-1.0000
-137	14.227	0.99625	0.24111	0.34963	-1.0000
-142	14.277	0.99974	0.24195	0.35086	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.112	0.98822	0.23916	0.34681	0.39800
112	14.077	0.98577	0.23857	0.34595	0.43100
122	14.107	0.98787	0.23908	0.34669	0.44900
127	14.202	0.99450	0.24069	0.34902	0.48500
137	14.227	0.99625	0.24111	0.34963	0.52200
142	14.277	0.99974	0.24195	0.35086	0.58000
147	14.262	0.99870	0.24170	0.35049	-1.0000
157	14.257	0.99835	0.24162	0.35037	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.262	0.99870	0.24170	0.35049	-1.0000
-157	14.257	0.99835	0.24162	0.35037	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.257	0.99835	0.24162	0.35037	0.79300
172	14.262	0.99870	0.24170	0.35049	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
192	13.993	0.97205	0.23544	0.34142	0.79300
197	13.918	0.96761	0.23418	0.33958	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 1220.7 FLC 1227.9 SIGMA FC 3.0814 FTARF 0.67523 DSW 0.000353 DFW 0.0020239

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NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT REC 10/24/79 21:25:20.345 FAC 8X6X1 PGM C036 PPG 1431

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	11.224	0.78551	0.18987	0.27601	0.72200
37	23.583	1.6506	0.39893	0.57992	0.82000
47	26.172	1.8316	0.44272	0.64358	0.91900
52	25.947	1.8159	0.43902	0.63806	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
52	27.558	1.9286	0.46618	0.67769	0.42200
67	21.488	1.5038	0.36359	0.52842	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	13.903	0.97298	0.23519	0.34189	0.58000
82	19.878	1.3911	0.33625	0.48881	0.58300
92	14.227	0.99567	0.24067	0.34986	0.67800

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.133	0.98904	0.23907	0.34753	-1.0000
-112	14.088	0.98590	0.23831	0.34643	-1.0000
-122	14.109	0.98729	0.23865	0.34692	-1.0000
-127	14.202	0.99392	0.24025	0.34925	-1.0000
-137	14.242	0.99672	0.24092	0.35023	-1.0000
-142	14.287	0.99986	0.24168	0.35133	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.133	0.98904	0.23907	0.34753	0.39000
112	14.088	0.98590	0.23831	0.34643	0.43100
122	14.109	0.98729	0.23865	0.34692	0.44900
127	14.202	0.99392	0.24025	0.34925	0.48600
137	14.242	0.99672	0.24092	0.35023	0.52200
142	14.287	0.99986	0.24168	0.35133	0.58400
-147	14.282	0.99811	0.24126	0.35072	-1.0000
-152	14.267	0.99846	0.24135	0.35084	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.262	0.99811	0.24126	0.35072	-1.0000
-157	14.267	0.99846	0.24135	0.35084	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.262	0.99811	0.24126	0.35072	0.79300
172	14.262	0.99811	0.24126	0.35072	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.898	0.97263	0.23519	0.34177	0.79300
187	13.828	0.96775	0.23392	0.34005	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-01 1228.2 FG 1226.5 SIGMA FG 3.2996 ETAPF 0.65532 MSW 0.963582 MFW 0.9929121

RUN 23

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFII REC 10/24/79 21:27:17.913 FAC AVAIL PGM C036 RDG 1492

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	11.298	3.79075	0.21968	0.31775	0.72200
37	20.330	1.4235	0.39512	0.57203	0.82000
47	22.952	1.4064	0.44588	0.64551	0.91900
52	22.768	1.5935	0.44230	0.64033	..0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	24.728	1.7307	0.48037	0.69544	0.42200
67	21.332	1.4930	0.41440	0.59994	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.191	0.85324	0.23683	0.34286	0.50000
82	17.313	1.2117	0.33633	0.48691	0.58300
92	14.236	0.99636	0.27655	0.40037	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.136	0.98938	0.27462	0.39757	-1.0000
-112	14.126	0.98868	0.27442	0.39729	-1.0000
-122	14.131	0.98903	0.27452	0.39743	-1.0000
-127	14.181	0.99252	0.27549	0.39883	-1.0000
-137	14.146	0.99148	0.27520	0.39841	-1.0000
-142	14.181	0.99252	0.27549	0.39883	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.136	0.98938	0.27462	0.39757	0.39400
112	14.126	0.98869	0.27442	0.39729	0.43100
122	14.131	0.98903	0.27452	0.39743	0.44900
127	14.181	0.99252	0.27549	0.39883	0.48600
137	14.146	0.99148	0.27520	0.39841	0.52200
142	14.181	0.99252	0.27549	0.39883	0.58800
152	14.261	0.99811	0.27704	0.40108	1.0000
157	14.261	0.99811	0.27704	0.40108	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.261	0.99811	0.27704	0.40108	-1.0000
-157	14.261	0.99811	0.27704	0.40108	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.266	0.99846	0.27714	0.40122	0.79300
172	14.261	0.99811	0.27704	0.40108	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.523	0.94665	0.26270	0.38032	0.79300
187	13.493	0.94435	0.26212	0.37947	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-01 1021.9 FIC 1020.3 SIGMA IC 3.7315 FTAPF 0.53354 DSM 0.369253 DFM 0.0020497

RUN 33

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDETT REF 10/24/79 21:28:38.066 FAP RX6F1 PGM C034 RBG 1433

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.731	1.0302	0.33247	0.48959	0.72200
37	14.721	1.3092	0.42251	0.62219	0.82000
47	20.152	1.4093	0.45481	0.66975	0.91900
52	19.923	1.3932	0.44963	0.66213	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	20.456	1.4305	0.46167	0.67986	0.42200
67	16.602	1.1610	0.37468	0.55175	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	10.541	0.73715	0.23790	0.35033	0.50800
82	14.861	1.0392	0.33539	0.49390	0.58300
92	14.243	0.99600	0.32144	0.47335	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.173	0.99112	0.31986	0.47103	-1.0000
-112	14.148	0.98937	0.31930	0.47020	-1.0000
-122	14.173	0.99112	0.31986	0.47103	-1.0000
-127	14.228	0.99495	0.32110	0.47285	-1.0000
-137	14.243	0.99600	0.32144	0.47335	-1.0000
-142	14.223	0.99460	0.32099	0.47269	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
137	14.173	0.99112	0.31986	0.47103	0.39800
142	14.148	0.98937	0.31930	0.47020	0.43100
122	14.173	0.99112	0.31986	0.47103	0.44900
127	14.228	0.99495	0.32110	0.47285	0.48600
137	14.243	0.99600	0.32144	0.47335	0.52200
142	14.223	0.99460	0.32099	0.47269	0.58000
-152	14.273	0.99809	0.32211	0.47434	-1.0000
-157	14.268	0.99774	0.32200	0.47418	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.273	0.99809	0.32211	0.47434	-1.0000
-157	14.268	0.99774	0.32200	0.47418	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.268	0.99774	0.32200	0.47418	0.79300
172	14.268	0.99774	0.32200	0.47418	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.370	0.93496	0.30174	0.44434	0.79300
187	13.335	0.93252	0.30095	0.44318	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 830.20 FIC 795.38 SIGMA FC 3.2612 FTAPE 0.17425 DSW 0.044205 DFW 0.0038384

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RUN 23

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 21:30:49.437 FAC 3X6X1 PGM C036 PRG 1434

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.714	0.95947	0.34886	0.50816	0.72200
37	16.571	1.1593	0.42153	0.61401	0.82000
47	18.241	1.2762	0.46401	0.67589	0.91900
52	18.350	1.2838	0.46680	0.67995	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	18.275	1.2786	0.46490	0.67718	0.42200
67	14.347	1.0038	0.36497	0.53163	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.1958	0.64337	0.23393	0.34074	0.50800
82	19.218	1.3445	0.48886	0.71209	0.58300
92	14.243	0.99645	0.36231	0.52775	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.183	0.99226	0.36079	0.52553	-1.0000
-112	14.178	0.99191	0.36066	0.52534	-1.0000
-122	14.183	0.99226	0.36079	0.52553	-1.0000
-127	14.223	0.99505	0.36180	0.52701	-1.0000
-137	14.223	0.99505	0.36180	0.52701	-1.0000
-142	14.203	0.99366	0.36129	0.52627	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.183	0.99226	0.36079	0.52553	0.39800
112	14.178	0.99191	0.36066	0.52534	0.43100
122	14.183	0.99226	0.36079	0.52553	0.44900
127	14.223	0.99505	0.36180	0.52701	0.48600
137	14.223	0.99505	0.36180	0.52701	0.52200
142	14.203	0.99366	0.36129	0.52627	0.58800
-152	14.262	0.99784	0.36281	0.52848	-1.0000
-157	14.267	0.99819	0.36294	0.52867	-1.0000

>ADDITIONAL PRESSURE RATIOS , PRV NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.262	0.99784	0.36281	0.52848	-1.0000
-157	14.267	0.99819	0.36294	0.52867	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.262	0.99784	0.36281	0.52848	0.79300
172	14.267	0.99819	0.36294	0.52867	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.305	0.93087	0.33846	0.49301	0.79300
187	13.290	0.92982	0.33808	0.49246	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-DL 679.68 FJC 677.95 SIGMA FG 2.0664 FTAPE 0.76546 DSM 0.966667 CFM 0.9929976

RUN23

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REF 10/24/79 21:31:31.026 FAC AY641 PGM C034 PRG 1435

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.255	0.92699	0.36992	0.53367	0.72200
37	15.944	1.1150	0.44464	0.64190	0.82000
47	17.333	1.2119	0.48363	0.69772	0.91900
52	17.455	1.2207	0.48711	0.70274	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	16.911	1.1757	0.46916	0.67684	0.42200
67	13.260	0.92734	0.37006	0.53387	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.1362	0.56900	0.22706	0.32757	0.50800
82	20.581	1.4393	0.57437	0.82862	0.58300
92	14.258	0.99711	0.39790	0.57403	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.198	0.99292	0.39623	0.57162	-1.0000
-112	14.183	0.99187	0.39581	0.57102	-1.0000
-122	14.183	0.99187	0.39581	0.57102	-1.0000
-127	14.218	0.99432	0.39679	0.57243	-1.0000
-137	14.198	0.99292	0.39623	0.57162	-1.0000
-142	14.198	0.99292	0.39623	0.57162	-1.0000

>ADDITIONAL PRESSURE RATIOS , ECREADDY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.198	0.99292	0.39623	0.57162	0.39800
112	14.183	0.99187	0.39581	0.57102	0.43100
122	14.183	0.99187	0.39581	0.57102	0.44900
127	14.218	0.99432	0.39679	0.57243	0.48600
137	14.198	0.99292	0.39623	0.57162	0.52200
142	14.198	0.99292	0.39623	0.57162	0.58800
152	14.268	0.99780	0.39818	0.57444	-1.0000
157	14.273	0.99815	0.39832	0.57464	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.268	0.99780	0.39818	0.57444	-1.0000
-157	14.273	0.99815	0.39832	0.57464	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.273	0.99815	0.39832	0.57464	0.79300
172	14.273	0.99815	0.39832	0.57464	0.84600

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.300	0.93013	0.37117	0.53548	0.79300
187	13.260	0.92734	0.37006	0.53387	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 558.45 FIF 597.18 SIGMA IF 1.0206 ETADF 0.23769 DSP 0.030605 DFG 0.0031111

RUN23

NASA-LEWIS PRELIMINARY DATA 06/13/79 CRODFIT REC 10/24/79 21:33:04.577 FAP AXEM1 PGM F034 RNG 1436

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.276	0.99757	0.47154	0.67444	0.72200
37	15.876	1.1094	0.52440	0.75004	0.82000
47	16.225	1.1338	0.53592	0.76652	0.91900
52	14.239	1.1341	0.53608	0.76675	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.557	1.0871	0.51386	0.73496	0.42200
67	14.486	1.0122	0.47846	0.68433	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.407	0.86693	0.40979	0.58612	0.50800
82	16.799	1.1738	0.55485	0.79360	0.58200
92	14.271	0.99722	0.47138	0.67421	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.236	0.99478	0.47023	0.67256	-1.0000
-112	14.236	0.99478	0.47023	0.67256	-1.0000
-122	14.236	0.99478	0.47023	0.67256	-1.0000
-127	14.256	0.99617	0.47089	0.67350	-1.0000
-137	14.231	0.99443	0.47006	0.67232	-1.0000
-142	14.197	0.99199	0.46891	0.67068	-1.0000

>ADDITIONAL PRESSURE RATIOS , EXPERODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.236	0.99478	0.47023	0.67256	0.39800
112	14.236	0.99478	0.47023	0.67256	0.43100
122	14.236	0.99478	0.47023	0.67256	0.44900
127	14.256	0.99617	0.47089	0.67350	0.48600
137	14.231	0.99443	0.47006	0.67232	0.52200
142	14.197	0.99199	0.46891	0.67068	0.58800
-152	14.296	0.99826	0.47187	0.67491	-1.0000
-157	14.296	0.99826	0.47187	0.67491	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN AXIAL FLOW

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.296	0.99826	0.47187	0.67491	-1.0000
-157	14.296	0.99826	0.47187	0.67491	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.296	0.99826	0.47187	0.67491	0.79300
172	14.296	0.99826	0.47187	0.67491	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.434	0.93861	0.44273	0.63323	0.79300
187	13.299	0.92929	0.43927	0.62828	0.84400

>OPTION= 5 , MEASURED THRUST PARAMETERS

EF-01 459.27 FIC 459.01 SIGMA IC 2.0139 FTARF 0.23970 DSM 0.0246B7 CFM 0.0031732

RUN 13

VASS-LEWIS PRELIMINARY DATA 06/13/79 CANDELL REC 10/24/79 21:34:24.490 FAC 8X6X1 PGM C034 PRG 1437

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.557	1.0160	0.56023	0.81152	0.72200
37	15.225	1.0626	0.58594	0.84876	0.82000
47	15.365	1.0723	0.59131	0.85654	0.91900
52	15.360	1.0720	0.59112	0.85626	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.036	1.0494	0.57865	0.83820	0.42200
67	14.717	1.0271	0.56637	0.82041	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.613	0.88026	0.48540	0.70312	0.50800
82	16.083	1.1224	0.61896	0.89656	0.58300
92	14.273	0.99614	0.54930	0.79568	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.243	0.99405	0.54814	0.79401	-1.0000
-112	14.243	0.99405	0.54814	0.79401	-1.0000
-122	14.238	0.99370	0.54795	0.79373	-1.0000
-127	14.253	0.99474	0.54853	0.79457	-1.0000
-137	14.233	0.99335	0.54776	0.79346	-1.0000
-142	14.203	0.99127	0.54661	0.79179	-1.0000

>ADDITIONAL PRESSURE RATIOS , ENERGY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.243	0.99405	0.54814	0.79401	0.39800
112	14.243	0.99405	0.54814	0.79401	0.43100
122	14.238	0.99370	0.54795	0.79373	0.44900
127	14.253	0.99474	0.54853	0.79457	0.48600
137	14.233	0.99335	0.54776	0.79346	0.52200
142	14.203	0.99127	0.54661	0.79179	0.58800
-152	14.288	0.99718	0.54987	0.79651	-1.0000
-157	14.288	0.99718	0.54987	0.79651	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.288	0.99718	0.54987	0.79651	-1.0000
-157	14.288	0.99718	0.54987	0.79651	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.283	0.99683	0.54968	0.79623	0.79300
172	14.283	0.99683	0.54968	0.79623	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.520	0.94360	0.52032	0.75371	0.79300
187	13.416	0.93629	0.51629	0.74787	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=31 227.67 FIC 326.26 SIGMA IF 1.4173 ETAPE=0.30418 DSM 0.010462 CFM 0.0036406

Run 24

NASA-LEWIS PRELIMINARY DATA CARDE-II FACILITY 9X6X1 PROGRAM C034 PAGS 1438 TO 1498
TIME AND DATE PROCESSED 05:27:48 JUN 13 1979

NOZZLE TYPE	P&W BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS	TAKEOFF
NOZZLE CONFIGURATION	C2
PRIMARY-NOZZLE PLUG	SPLIT PLUG (EXTENDED)
FLOW SPLITTER	ISENTROPIC SPLITTER
FAN NOZZLE	SHORT FLAP
CLAMSHELL POSITION	12 DEG
EJECTOR INLET OPENING	MIDWAY

PAG	MO	PTF/PTP	PTF/PO	PTP/PO	OMEGA	PTS/PTF	CDF	CDP	CF1	ETA1	ETA1,INT	CFP1	CFP2	F0
1438	0.037	1.45	1.81	1.25	0.000	0.568	0.965	1.049	0.9630	0.9630	0.9631	0.9631	0.9645	******
1439	0.008	1.69	1.81	1.07	0.000	0.549	0.966	1.224	0.9622	0.9622	0.9622	0.9622	0.9636	******
1440	0.021	1.69	2.11	1.25	0.000	0.471	0.968	1.091	0.9556	0.9556	0.9556	0.9556	0.9594	******
1441	0.027	1.69	2.50	1.48	0.000	0.397	0.970	1.028	0.9321	0.9321	0.9322	0.9322	0.9354	******
1442	0.043	1.70	3.11	1.83	0.000	0.317	0.967	0.970	0.9332	0.9332	0.9332	0.9332	0.9399	******
1443	0.053	1.70	3.60	2.12	0.000	0.277	0.968	0.973	0.9435	0.9435	0.9436	0.9436	0.9458	******
1444	0.060	1.70	4.20	2.47	0.000	0.241	0.969	0.982	0.9452	0.9452	0.9452	0.9452	0.9471	******
1445	0.057	1.70	4.19	2.47	0.000	0.241	0.969	0.981	0.9456	0.9456	0.9456	0.9456	0.9475	******
1446	0.054	1.70	3.61	2.12	0.000	0.277	0.969	0.973	0.9431	0.9431	0.9431	0.9431	0.9453	******
1447	0.054	1.70	3.10	1.82	0.000	0.318	0.968	0.972	0.9290	0.9290	0.9291	0.9291	0.9318	******
1448	0.052	1.70	2.76	1.63	0.000	0.356	0.968	0.989	0.9287	0.9287	0.9288	0.9288	0.9318	******
1449	0.052	1.69	2.76	1.63	0.000	0.357	0.968	0.989	0.9290	0.9290	0.9291	0.9291	0.9321	******
1450	0.027	1.69	2.49	1.48	0.000	0.397	0.967	1.026	0.9327	0.9327	0.9327	0.9327	0.9360	******
1451	0.052	1.69	2.12	1.26	0.000	0.470	0.966	1.084	0.9558	0.9558	0.9558	0.9558	0.9587	******
1452	0.035	1.68	1.79	1.07	0.000	0.556	0.969	1.216	0.9582	0.9582	0.9582	0.9582	0.9605	******
1453	0.051	1.68	2.77	1.63	0.000	0.355	0.967	0.988	0.9301	0.9301	0.9301	0.9301	0.9332	******
1454	0.051	1.70	3.59	2.11	0.000	0.277	0.970	0.973	0.9435	0.9435	0.9435	0.9435	0.9458	******
1455	0.023	1.65	1.81	1.25	0.000	0.551	0.966	1.063	0.9557	0.9557	0.9557	0.9557	0.9592	******
1456	0.031	1.43	2.12	1.48	0.000	0.469	0.964	1.022	0.9536	0.9536	0.9536	0.9536	0.9575	******
1457	0.065	1.44	2.51	1.74	0.000	0.394	0.969	0.983	0.9358	0.9358	0.9358	0.9358	0.9393	******
1458	0.047	1.45	2.76	1.90	0.000	0.356	0.970	0.976	0.9323	0.9323	0.9323	0.9323	0.9353	******
1459	0.051	1.47	3.11	2.12	0.000	0.318	0.966	0.970	0.9360	0.9360	0.9361	0.9361	0.9386	******
1460	0.054	1.44	3.60	2.50	0.000	0.278	0.969	0.977	0.9439	0.9439	0.9439	0.9439	0.9461	******
1461	0.062	1.45	4.18	2.87	0.000	0.243	0.969	0.983	0.9459	0.9459	0.9459	0.9459	0.9477	******
1462	0.055	1.45	4.18	2.87	0.000	0.243	0.969	0.983	0.9457	0.9457	0.9458	0.9458	0.9476	******
1463	0.050	1.44	3.60	2.49	0.000	0.278	0.969	0.978	0.9435	0.9435	0.9435	0.9435	0.9457	******
1464	0.041	1.46	3.11	2.12	0.000	0.318	0.969	0.979	0.9328	0.9328	0.9328	0.9328	0.9356	******
1465	0.045	1.45	2.76	1.90	0.000	0.356	0.968	0.979	0.9327	0.9327	0.9328	0.9328	0.9358	******
1466	0.049	1.44	2.51	1.74	0.000	0.394	0.968	0.983	0.9378	0.9378	0.9378	0.9378	0.9413	******
1467	0.006	1.43	2.11	1.47	0.000	0.470	0.966	1.023	0.9571	0.9571	0.9571	0.9571	0.9618	******
1468	0.010	1.45	1.81	1.25	0.000	0.550	0.966	1.063	0.9573	0.9573	0.9573	0.9573	0.9607	******
1469	0.359	1.67	1.81	1.08	0.000	0.555	0.965	1.017	0.9097	0.9097	0.9120	0.9120	0.9133	******
1470	0.364	1.66	2.10	1.27	0.000	0.478	0.971	1.025	0.9249	0.9249	0.9265	0.9265	0.9293	******
1471	0.366	1.68	2.50	1.49	0.000	0.402	0.967	1.017	0.9146	0.9146	0.9158	0.9158	0.9190	******
1472	0.371	1.70	2.76	1.62	0.000	0.362	0.968	0.990	0.9106	0.9106	0.9117	0.9117	0.9147	******
1473	0.372	1.71	3.11	1.82	0.000	0.320	0.969	0.973	0.9113	0.9113	0.9122	0.9122	0.9150	******
1474	0.369	1.71	3.61	2.11	0.000	0.278	0.972	0.969	0.9313	0.9313	0.9320	0.9320	0.9342	******
1475	0.359	1.70	3.97	2.33	0.000	0.256	0.971	0.979	0.9362	0.9362	0.9368	0.9368	0.9388	******

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NASA-LEWIS PRELIMINARY DATA 8'X6'X4' FACILITY BY4X1 PROGRAM C034 PDGS 1438 TO 1498 RUN 24 CONT.
TIME AND DATE PROCESSED 05:27:49 JUN 13 1979

NOZZLE TYPE	D&W BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS	TAKEOFF
NOZZLE CONFIGURATION	C3
PRIMARY-NOZZLE PLUG	SPLIT PLUG (EXTENDED)
FLOW SPLITTER	ISENTROPIC SPLITTER
FAN NOZZLE	SHORT FLAP
CLAMSHELL POSITION	13 DEG
EJECTOR INLET OPENING	MIDWAY

RDG	PD	PTF/PTP	PTF/PD	PTP/PD	OMEGA	PTS/PTF	CDF	CDP	CF1	ETA1	ETA1,INT	CFP1	CFP2	P9
1476	0.358	1.71	3.07	2.32	0.000	0.256	0.970	0.980	0.9350	0.9350	0.9356	0.9356	0.9375	******
1477	0.365	1.71	3.61	2.11	0.000	0.278	0.963	0.966	0.9360	0.9360	0.9367	0.9367	0.9389	******
1478	0.359	1.71	3.13	1.83	0.000	0.318	0.968	0.974	0.9133	0.9133	0.9142	0.9142	0.9169	******
1479	0.357	1.70	2.76	1.62	0.000	0.361	0.968	0.990	0.9118	0.9118	0.9128	0.9128	0.9159	******
1480	0.362	1.70	2.51	1.48	0.000	0.430	0.967	1.025	0.9139	0.9139	0.9151	0.9151	0.9183	******
1481	0.363	1.69	2.11	1.25	0.000	0.476	0.966	1.029	0.9221	0.9221	0.9237	0.9237	0.9264	******
1482	0.361	1.70	1.82	1.07	0.000	0.552	0.964	1.039	0.9080	0.9080	0.9103	0.9103	0.9115	******
1483	0.358	1.66	1.81	1.26	0.000	0.555	0.964	1.011	0.9192	0.9192	0.9212	0.9212	0.9246	******
1484	0.360	1.69	2.11	1.48	0.000	0.477	0.966	1.012	0.9268	0.9268	0.9283	0.9283	0.9321	******
1485	0.365	1.67	2.52	1.72	0.000	0.397	0.968	0.986	0.9194	0.9194	0.9205	0.9205	0.9239	******
1486	0.366	1.68	2.76	1.86	0.000	0.360	0.968	0.980	0.9196	0.9196	0.9206	0.9206	0.9237	******
1487	0.360	1.68	3.12	2.11	0.000	0.318	0.968	0.979	0.9179	0.9179	0.9187	0.9187	0.9213	******
1488	0.364	1.65	3.62	2.49	0.000	0.278	0.971	0.976	0.9359	0.9359	0.9366	0.9366	0.9387	******
1489	0.366	1.66	3.92	2.67	0.000	0.259	0.970	0.981	0.9370	0.9370	0.9376	0.9376	0.9395	******
1490	0.364	1.66	3.92	2.68	0.000	0.259	0.971	0.978	0.9406	0.9406	0.9412	0.9412	0.9432	******
1491	0.363	1.65	3.62	2.49	0.000	0.277	0.967	0.971	0.9419	0.9419	0.9425	0.9425	0.9446	******
1492	0.362	1.66	3.12	2.13	0.000	0.319	0.968	0.979	0.9196	0.9196	0.9204	0.9204	0.9229	******
1493	0.357	1.68	2.76	1.87	0.000	0.360	0.968	0.980	0.9215	0.9215	0.9224	0.9224	0.9255	******
1494	0.356	1.66	2.51	1.72	0.000	0.397	0.968	0.984	0.9182	0.9182	0.9193	0.9193	0.9227	******
1495	0.358	1.63	2.10	1.46	0.000	0.478	0.966	1.014	0.9303	0.9303	0.9318	0.9318	0.9356	******
1496	0.362	1.65	1.81	1.25	0.000	0.556	0.965	1.006	0.9295	0.9295	0.9315	0.9315	0.9348	******
1497	0.359	1.65	1.81	1.25	0.000	0.555	0.964	1.004	0.9225	0.9225	0.9245	0.9245	0.9278	******
1498	0.354	1.70	1.92	1.07	0.000	0.563	0.965	1.037	0.9115	0.9115	0.9138	0.9138	0.9150	******

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.868	0.90008	0.49673	0.72254	0.72200
37	13.917	0.97345	0.53721	0.78144	0.82000
47	14.277	0.99860	0.55109	0.80163	0.91900
52	14.491	1.0136	0.55938	0.81369	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
52	13.687	0.95738	0.52834	0.76854	0.42200
67	13.093	0.91580	0.50540	0.73516	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.064	0.84383	0.46569	0.67739	0.50800
82	15.570	1.0891	0.60102	0.87425	0.58300
92	14.277	0.99860	0.55109	0.80163	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.232	0.99546	0.54936	0.79910	-1.0000
-112	14.222	0.99476	0.54897	0.79854	-1.0000
-122	14.222	0.99476	0.54897	0.79854	-1.0000
-127	14.227	0.99511	0.54917	0.79882	-1.0000
-137	14.182	0.99196	0.54743	0.79630	-1.0000
-142	14.057	0.98323	0.54261	0.78929	-1.0000

>ADDITIONAL PRESSURE RATIOS , EXPENDDV INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.232	0.99546	0.54936	0.79910	0.39800
112	14.222	0.99476	0.54897	0.79854	0.43100
122	14.222	0.99476	0.54897	0.79854	0.44900
127	14.227	0.99511	0.54917	0.79882	0.48600
137	14.182	0.99196	0.54743	0.79630	0.52200
142	14.057	0.98323	0.54261	0.78929	0.58800
-152	14.282	0.99895	0.55129	0.80191	-1.0000
-157	14.282	0.99895	0.55129	0.80191	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.282	0.99895	0.55129	0.80191	-1.0000
-157	14.282	0.99895	0.55129	0.80191	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.282	0.99895	0.55129	0.80191	0.79300
172	14.282	0.99895	0.55129	0.80191	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.697	0.95808	0.52873	0.76910	0.79300
187	13.612	0.95214	0.52545	0.76433	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FF-01 340.62 FIC 340.17 SIGMA FC 1.2582 FTARF 0.41639 DFN 0.033869 DFN 0.0030837

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CARDFIL REC 10/24/79 22:30:50.912 FAC AXAXI PGM F034 PAG 1439

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	13.533	0.96588	0.52309	0.88505	0.72200
37	13.933	0.97392	0.53454	0.91119	0.82000
47	14.102	0.98569	0.54511	0.92230	0.91900
52	14.197	0.99232	0.54878	0.92851	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	13.718	0.95880	0.53024	0.89714	0.42200
67	13.578	0.94902	0.52483	0.88799	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	12.119	0.84704	0.46843	0.79257	0.50800
82	15.601	1.0904	0.60304	1.0203	0.58300
92	14.277	0.99791	0.55187	0.93374	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.252	0.99617	0.55090	0.93211	-1.0000
-112	14.237	0.99512	0.55032	0.93112	-1.0000
-122	14.232	0.99477	0.55013	0.93080	-1.0000
-127	14.242	0.99547	0.55051	0.93145	-1.0000
-137	14.197	0.99232	0.54878	0.92851	-1.0000
-142	14.062	0.98290	0.54356	0.91969	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.252	0.99617	0.55090	0.93211	0.39800
112	14.237	0.99512	0.55032	0.93112	0.43100
122	14.232	0.99477	0.55013	0.93080	0.44900
127	14.242	0.99547	0.55051	0.93145	0.48600
137	14.197	0.99232	0.54878	0.92851	0.52200
142	14.062	0.98290	0.54356	0.91969	0.58800
152	14.249	0.99606	0.55244	0.93472	1.0000
157	14.287	0.99861	0.55225	0.93439	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.292	0.99896	0.55244	0.93472	-1.0000
-157	14.287	0.99861	0.55225	0.93439	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.292	0.99896	0.55244	0.93472	0.79300
172	14.292	0.99896	0.55244	0.93472	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.683	0.95635	0.52888	0.89485	0.79300
187	13.608	0.95112	0.52599	0.88995	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-FI 391.13 FIC 399.38 SIGMA IF 1.4299 FTARF-0.25562 DSW 0.3019724 DFW 1.0340615

NASA-LEWIS PRELIMINARY DATA 06/13/79 CARDFILE REC 10/24/79 22:32:34.700 FAC 9X6VI PGM C036 PRG 1448

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.568	0.87833	0.41706	0.70303	0.72200
37	13.807	0.96492	0.45818	0.77234	0.82000
47	14.242	0.99530	0.47260	0.79665	0.91900
52	14.486	1.0124	0.48077	0.81035	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.452	0.94013	0.44641	0.75250	0.42200
67	12.708	0.88811	0.42179	0.71096	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	11.719	0.81897	0.38887	0.65552	0.50800
82	16.499	1.1531	0.54753	0.92295	0.58300
92	14.272	0.99739	0.47359	0.79833	0.67800

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.222	0.99390	0.47194	0.79554	-1.0000
-112	14.212	0.99320	0.47161	0.79498	-1.0000
-122	14.207	0.99285	0.47144	0.79470	-1.0000
-127	14.222	0.99390	0.47194	0.79554	-1.0000
-137	14.167	0.99006	0.47011	0.79246	-1.0000
-142	14.027	0.98029	0.46547	0.78464	-1.0000

>ADDITIONAL PRESSURE RATIOS , FREEBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.222	0.99390	0.47194	0.79554	0.39800
112	14.212	0.99320	0.47161	0.79498	0.43100
122	14.207	0.99285	0.47144	0.79470	0.44900
127	14.222	0.99390	0.47194	0.79554	0.48600
137	14.167	0.99006	0.47011	0.79246	0.52200
142	14.027	0.98029	0.46547	0.78464	0.58900
-152	14.282	0.99809	0.47393	0.79889	-1.0000
-157	14.282	0.99800	0.47393	0.79889	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.282	0.99809	0.47393	0.79889	-1.0000
-157	14.282	0.99800	0.47393	0.79889	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.282	0.99809	0.47393	0.79889	0.79300
172	14.297	0.99844	0.47409	0.79917	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.602	0.95061	0.45139	0.76088	0.79300
187	13.537	0.96397	0.44823	0.75557	0.84403

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=31 433.44 FIC 429.67 SIGMA FC 1.2399 ETADF=0.24636 DSM 0.312504 DFM 0.0033830

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDETT REC 10/24/79 22:35:10.74R ESC 8X4X1 PGM F034 PPG 1441

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	5.9765	3.41782	0.16731	0.28284	0.72200
37	12.831	0.89522	0.35847	0.60601	1.82000
47	14.319	1.0014	0.40099	0.67790	3.91900
52	14.866	1.0395	0.41624	0.70367	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.324	1.0018	0.40113	0.67814	0.42200
67	11.492	0.80369	0.32182	0.54405	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.2990	0.57410	0.22988	0.38863	0.50800
82	19.967	1.3964	0.55916	0.94529	0.58300
92	14.244	0.99617	0.39889	0.67435	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.199	0.99303	0.39763	0.67222	-1.0000
-112	14.189	0.99233	0.39735	0.67175	-1.0000
-122	14.184	0.99198	0.39721	0.67151	-1.0000
-127	14.199	0.99303	0.39763	0.67222	-1.0000
-137	14.144	0.98919	0.39609	0.66962	-1.0000
-142	14.039	0.98185	0.39316	0.66466	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.199	0.99303	0.39763	0.67222	0.39000
112	14.189	0.99233	0.39735	0.67175	0.43100
122	14.184	0.99198	0.39721	0.67151	0.44900
127	14.199	0.99303	0.39763	0.67222	0.48600
137	14.144	0.98919	0.39609	0.66962	0.52200
142	14.039	0.98185	0.39316	0.66466	0.58800
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.269	0.99792	0.39959	0.67553	-1.0000
-157	14.259	0.99722	0.39931	0.67506	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.264	0.99757	0.39945	0.67530	0.79300
172	14.264	0.99757	0.39945	0.67530	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.550	0.94762	0.37945	0.64148	0.79300
187	13.395	0.93679	0.37511	0.63415	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-N) 574.67 FIG 574.12 SIGMA FG 1.0525 ETADF=0.46454 PSM 0.919424 FFM 0.9937451

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT REC 10/24/79 22:36:59.999 FAP AVAIL PGM F934 PRG 1442

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	7.7976	0.54554	0.17547	0.29755	0.72200
37	13.167	0.92116	0.29629	0.50242	0.82000
47	10.333	0.72299	0.23252	0.39428	0.91900
52	15.405	1.0778	0.34667	0.58785	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	17.993	1.2589	0.40491	0.68661	0.42200
67	14.981	1.0481	0.33711	0.57164	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	10.652	0.74527	0.23972	0.40648	0.50000
82	14.946	1.0456	0.33632	0.57030	0.58300
92	14.231	0.99563	0.32024	0.54304	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.171	0.99144	0.31890	0.54075	-1.0000
-112	14.156	0.99039	0.31856	0.54018	-1.0000
-122	14.151	0.99004	0.31845	0.53999	-1.0000
-127	14.176	0.99179	0.31901	0.54094	-1.0000
-137	14.136	0.98899	0.31811	0.53941	-1.0000
-142	14.091	0.98514	0.31687	0.53732	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.171	0.99144	0.31890	0.54075	0.39000
112	14.156	0.99039	0.31856	0.54018	0.43100
122	14.151	0.99004	0.31845	0.53999	0.44900
127	14.176	0.99179	0.31901	0.54094	0.48600
137	14.136	0.98899	0.31811	0.53941	0.52200
142	14.091	0.98514	0.31687	0.53732	0.58900
-152	14.256	0.99738	0.32081	0.54399	-1.0000
-157	14.261	0.99773	0.32092	0.54418	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.256	0.99738	0.32081	0.54399	-1.0000
-157	14.261	0.99773	0.32092	0.54418	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.256	0.99738	0.32081	0.54399	0.79300
172	14.256	0.99738	0.32081	0.54399	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.431	0.93960	0.30225	0.51253	0.79300
187	13.217	0.92466	0.29742	0.50433	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-PI) AVL,25 FIC 759.95 SIGMA IC 2.1506 FTARF 0.25965 RCM 0.966623 CFG 0.9830875

RUN24

VESA-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT REC 10/24/79 22:38:52.117 FAC 974X1 PGM F096 RNG 1443

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	8.6613	0.69699	0.14869	0.28653	0.72200
37	14.268	1.0476	0.24077	0.46450	1.0700
47	12.964	0.90156	0.25024	0.42557	0.91500
52	15.447	1.0826	0.30049	0.51102	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	20.717	1.4519	0.40300	0.68537	0.42200
67	17.376	1.1967	0.33216	0.56490	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.274	0.86024	0.23877	0.40603	0.50800
82	17.255	1.2093	0.33566	0.57085	0.59300
92	14.223	0.99681	0.27667	0.47053	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.143	0.99120	0.27512	0.46780	-1.0000
-112	14.133	0.99050	0.27493	0.46756	-1.0000
-122	14.128	0.99015	0.27483	0.46739	-1.0000
-127	14.153	0.99191	0.27531	0.46822	-1.0000
-137	14.113	0.98910	0.27454	0.46690	-1.0000
-142	14.063	0.98560	0.27356	0.46524	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.143	0.99120	0.27512	0.46780	0.39800
112	14.133	0.99050	0.27493	0.46756	0.43100
122	14.128	0.99015	0.27483	0.46739	0.44900
127	14.153	0.99191	0.27531	0.46822	0.48600
137	14.113	0.98910	0.27454	0.46690	0.52200
142	14.063	0.98560	0.27356	0.46524	0.58800
-152	14.248	0.99856	0.27716	0.47136	-1.0000
-157	14.249	0.99856	0.27716	0.47136	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN ACOUSTIC PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.248	0.99856	0.27716	0.47136	-1.0000
-157	14.249	0.99856	0.27716	0.47136	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.248	0.99856	0.27716	0.47136	0.79300
172	14.248	0.99856	0.27716	0.47136	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.684	0.95898	0.26229	0.44607	0.79300
187	13.744	0.96358	0.25801	0.43880	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

IF=31 SUP=32 FIC 996.57 SIGMA IC 1.0305 ETADF 0.68286 DSP 0.066565 DEN 0.0029340

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFII REF 10/24/79 22:42:06.697 FAN AV68I PGM C936 ORG 1444

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	9.4337	0.66114	0.15754	0.26720	0.72200
37	16.092	1.1278	0.26874	0.45580	0.82000
47	12.864	1.0617	0.24823	0.42100	0.91900
52	12.966	0.90928	0.21453	0.36385	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	23.867	1.6727	0.39859	0.67632	0.42200
67	18.629	1.3056	0.31111	0.52765	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	14.324	1.0039	0.23922	0.40573	0.58000
82	20.137	1.4113	0.33629	0.57036	0.58300
92	14.214	0.99619	0.23739	0.40261	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.115	0.98919	0.23572	0.39978	-1.0000
-112	14.110	0.98884	0.23563	0.39964	-1.0000
-122	14.100	0.98814	0.23547	0.39936	-1.0000
-127	14.135	0.99059	0.23605	0.40035	-1.0000
-137	14.105	0.98849	0.23555	0.39950	-1.0000
-142	14.070	0.98604	0.23497	0.39851	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.115	0.98919	0.23572	0.39978	0.39800
112	14.110	0.98884	0.23563	0.39964	0.43100
122	14.100	0.98814	0.23547	0.39936	0.44900
127	14.135	0.99059	0.23605	0.40035	0.48600
137	14.105	0.98849	0.23555	0.39950	0.52200
142	14.070	0.98604	0.23497	0.39851	0.58800
152	14.244	0.99829	0.23788	0.40346	-1.0000
157	14.244	0.99829	0.23788	0.40346	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.244	0.99829	0.23788	0.40346	-1.0000
-157	14.244	0.99829	0.23788	0.40346	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.249	0.99864	0.23797	0.40360	0.79300
172	14.249	0.99864	0.23797	0.40360	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.425	0.94089	0.22421	0.38026	0.79300
187	13.131	0.92024	0.21928	0.37191	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

(F-D) 1235.5 FIG 1234.0 SIGMA FG 2.5993 FT&PF 0.41155 DSM 0.001355 FFM 0.0020482

RUN 24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 22:43:05.013 FAC RX6X1 PGM F034 PRG 1445

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	9.4202	0.66013	0.15739	0.26697	0.72200
37	16.079	1.1268	0.26865	0.45570	0.82000
47	14.861	1.0414	0.24829	0.42116	0.91900
52	12.973	0.90906	0.21674	0.36765	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	23.880	1.6734	0.39898	0.67677	0.42200
67	18.621	1.3049	0.31112	0.52774	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	14.236	0.99762	0.23786	0.40347	0.50800
82	20.105	1.4088	0.33590	0.56977	0.58300
92	14.216	0.99622	0.23752	0.40290	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.117	0.98922	0.23585	0.40007	-1.0000
-112	14.112	0.98887	0.23577	0.39993	-1.0000
-122	14.112	0.98887	0.23577	0.39993	-1.0000
-127	14.146	0.99132	0.23635	0.40092	-1.0000
-137	14.097	0.98782	0.23552	0.39950	-1.0000
-142	14.072	0.98607	0.23510	0.39880	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.117	0.98922	0.23585	0.40007	0.39800
112	14.112	0.98887	0.23577	0.39993	0.43100
122	14.112	0.98887	0.23577	0.39993	0.44900
127	14.146	0.99132	0.23635	0.40092	0.48600
137	14.097	0.98782	0.23552	0.39950	0.52200
142	14.072	0.98607	0.23510	0.39880	0.58800
-152	14.251	0.99867	0.23811	0.40389	-1.0000
-157	14.251	0.99867	0.23811	0.40389	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.251	0.99867	0.23811	0.40389	-1.0000
-157	14.251	0.99867	0.23811	0.40389	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.246	0.99832	0.23802	0.40375	0.79300
172	14.251	0.99867	0.23811	0.40389	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.427	0.94091	0.22434	0.38053	0.79300
187	13.137	0.92061	0.21950	0.37232	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FF-01 1234.8 FIC 1233.3 SIGMA FC 2.6458 FTARE 0.38722 DSW 0.975177 DEG 0.982867

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	8.6575	0.60649	0.16815	0.28644	0.72200
37	14.794	1.0364	0.29733	0.48947	0.82000
47	12.935	0.90608	0.25065	0.42699	0.91900
52	15.458	1.0829	0.30024	0.51145	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	23.708	1.4507	0.40223	0.68514	0.42200
67	17.137	1.2001	0.33274	0.56682	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.326	0.86347	0.23940	0.40781	0.50800
82	17.312	1.2127	0.33623	0.57277	0.58300
92	14.224	0.99648	0.27627	0.47062	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.144	0.99088	0.27472	0.46798	-1.0000
-112	14.129	0.98983	0.27443	0.46749	-1.0000
-122	14.129	0.98983	0.27443	0.46749	-1.0000
-127	14.156	0.99158	0.27491	0.46831	-1.0000
-137	14.114	0.98878	0.27414	0.46699	-1.0000
-142	14.070	0.98563	0.27326	0.46550	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.144	0.99088	0.27472	0.46798	0.39800
112	14.129	0.98983	0.27443	0.46749	0.43100
122	14.129	0.98983	0.27443	0.46749	0.44900
127	14.156	0.99158	0.27491	0.46831	0.48[illegible]
137	14.114	0.98878	0.27414	0.46699	0.52[illegible]
142	14.070	0.98563	0.27326	0.46550	0.58800
-152	14.254	0.99850	0.27685	0.47162	-1.0000
-157	14.249	0.99823	0.27676	0.47146	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.254	0.99850	0.27685	0.47162	-1.0000
-157	14.249	0.99823	0.27676	0.47146	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.249	0.99823	0.27676	0.47146	0.79300
172	14.259	0.99893	0.27695	0.47178	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.495	0.94538	0.26210	0.44649	0.79300
187	13.765	0.96428	0.25764	0.43889	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

[illegible] PL: 998.35 SIGMA FC 1.0061 FTARF 0.30159 PSW 0.96A052 CFW 0.0029973

RUN34

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVG WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	7.6389	0.53695	0.17236	0.29229	0.72200
37	13.214	0.92535	0.29815	0.50756	0.87000
47	10.287	0.72039	0.23211	0.39509	0.91900
52	15.311	1.0722	0.34547	0.58805	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
52	17.872	1.2516	0.40327	0.68662	0.42200
57	14.856	1.0404	0.33522	0.57060	0.47000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	10.577	0.74068	0.23865	0.40622	0.50800
82	14.846	1.0397	0.33500	0.57021	0.58300
92	14.222	0.99599	0.32091	0.54624	0.67000

>ADDITIONAL PRESSURE RATIOS , DUCTED SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.157	0.99164	0.31945	0.54375	-1.0000
-112	14.152	0.99109	0.31934	0.54356	-1.0000
-122	14.147	0.99074	0.31922	0.54337	-1.0000
-127	14.167	0.99214	0.31967	0.54413	-1.0000
-137	14.122	0.98899	0.31866	0.54241	-1.0000
-142	14.068	0.98515	0.31742	0.54030	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORERODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.157	0.99164	0.31945	0.54375	0.39800
112	14.152	0.99109	0.31934	0.54356	0.43100
122	14.147	0.99074	0.31922	0.54337	0.44900
127	14.167	0.99214	0.31967	0.54413	0.48600
137	14.122	0.98899	0.31866	0.54241	0.52200
142	14.068	0.98515	0.31742	0.54030	0.55800
-162	14.247	0.99773	0.32148	0.54720	-1.0000
-157	14.247	0.99773	0.32148	0.54720	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-157	14.247	0.99773	0.32148	0.54720	-1.0000
-157	14.247	0.99773	0.32148	0.54720	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.247	0.99773	0.32148	0.54720	0.79300
172	14.252	0.99808	0.32159	0.54739	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.403	0.93864	0.30243	0.51470	0.79300
187	13.184	0.92325	0.29748	0.50626	0.84400

>OPTION 5 , MEASURED INPUT PARAMETERS

PS-P1 764.63 PS 783.69 SIGMA 1.0029 FTARF 0.23463 DSW 3.366961 RFW 3.3529975

RUN24

MESA-LEWIS PRELIMINARY DATA 06/13/78 CANCELL DEC 10/24/79 22:47:49.389 FAC 99681 PGM C034 ORG 1460

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	6.9958	0.47650	0.17242	0.29226	0.72200
37	13.935	0.75638	0.27370	0.46393	0.82000
47	13.997	0.96656	0.34975	0.59284	0.91900
52	14.861	1.0403	0.37644	0.63813	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	15.990	1.1117	0.40225	0.68184	0.42200
67	13.183	0.92295	0.33393	0.56604	1.67200

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	9.3409	0.65389	0.23661	0.40107	0.50800
82	13.353	0.93474	0.33823	0.57333	0.58300
92	14.227	0.99593	0.36037	0.61086	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.147	0.99173	0.35886	0.60829	-1.0000
-112	14.157	0.99103	0.35860	0.60786	-1.0000
-122	14.152	0.99068	0.35848	0.60764	-1.0000
-127	14.172	0.99208	0.35898	0.60850	-1.0000
-137	14.132	0.98929	0.35797	0.60678	-1.0000
-142	14.247	0.99334	0.35982	0.60314	-1.0000

>ADDITIONAL PRESSURE RATIOS , EPPERODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.167	0.99173	0.35886	0.60829	0.39800
112	14.157	0.99103	0.35860	0.60786	0.43100
122	14.152	0.99068	0.35848	0.60764	0.44900
127	14.172	0.99208	0.35898	0.60850	0.49600
137	14.132	0.98929	0.35797	0.60678	0.52200
142	14.247	0.99334	0.35982	0.60314	0.58800
-147	14.242	0.99698	0.36075	0.61150	-1.0000
-157	14.242	0.99698	0.36075	0.61150	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN MIDSPAN PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-157	14.242	0.99698	0.36075	0.61150	-1.0000
-157	14.242	0.99698	0.36075	0.61150	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.242	0.99698	0.36075	0.61150	0.79300
172	14.242	0.99698	0.36075	0.61150	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.623	0.93963	0.34003	0.57623	0.79300
187	13.238	0.92460	0.33456	0.56711	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=21 469.97 FAC 667.21 SIGMA IC 1.7926 FTARG 0.62306 DSM 0.062461 DEM 0.0020165

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 22:48:25.312 EAC 8X4X1 PGM C036 PPG 1449

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	6.7862	0.47534	0.17244	0.29147	0.72200
37	10.769	0.75432	0.27365	0.46253	0.82000
47	13.831	0.96880	0.35145	0.59405	0.91900
52	14.879	1.0418	0.37785	0.63866	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	15.884	1.1126	0.40361	0.68220	0.42200
67	13.157	0.92157	0.33432	0.56509	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	9.3301	0.65343	0.23632	0.39944	0.50800
82	13.496	0.94466	0.34279	0.57924	0.58300
92	14.226	0.99663	0.36148	0.61099	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.176	0.99293	0.36021	0.60885	-1.0000
-112	14.161	0.99188	0.35983	0.60820	-1.0000
-122	14.156	0.99153	0.35970	0.60799	-1.0000
-127	14.176	0.99293	0.36021	0.60885	-1.0000
-137	14.136	0.99013	0.35919	0.60713	-1.0000
-142	14.046	0.98384	0.35691	0.60327	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.176	0.99293	0.36021	0.60885	0.39800
112	14.161	0.99188	0.35983	0.60820	0.43100
122	14.156	0.99153	0.35970	0.60799	0.44900
127	14.176	0.99293	0.36021	0.60885	0.48600
137	14.136	0.99013	0.35919	0.60713	0.52200
142	14.046	0.98384	0.35691	0.60327	0.58800
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	14.246	[illegible]	[illegible]	0.61185	-1.0000
-157	[illegible]	0.99783	0.36199	0.61185	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.251	0.99818	0.36211	0.61206	0.79300
172	14.251	0.99818	0.36211	0.61206	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	13.431	0.94081	0.34130	0.57688	0.79300
187	13.227	0.92646	0.33610	0.56809	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 667.27 FIC 665.77 SIGMA FC 1.0946 FTARE 0.43670 DFW 0.363527 DFW 0.3929113

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RUN24

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	6.7769	0.47362	0.18993	0.33082	0.72200
37	12.498	0.88763	0.35587	0.60111	0.82000
47	14.131	0.99761	0.39605	0.66897	0.91900
52	14.736	1.0298	0.41298	0.69758	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.311	1.0002	0.40109	0.67749	0.42200
67	11.474	0.80193	0.32157	0.54318	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.2114	0.57388	0.23013	0.38872	0.50800
82	20.039	1.4005	0.56161	0.94862	0.58300
92	14.246	0.99563	0.39927	0.67461	0.67000

>ADDITIONAL PRESSURE RATIOS , PSEUDO SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.191	0.99179	0.39773	0.67181	-1.0000
-112	14.191	0.99110	0.39745	0.67134	-1.0000
-122	14.176	0.99075	0.39731	0.67110	-1.0000
-127	14.191	0.99179	0.39773	0.67181	-1.0000
-137	14.146	0.98865	0.39647	0.66968	-1.0000
-142	14.021	0.97993	0.39297	0.66377	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.191	0.99179	0.39773	0.67181	0.39800
112	14.191	0.99110	0.39745	0.67134	0.43100
122	14.176	0.99075	0.39731	0.67110	0.44900
127	14.191	0.99179	0.39773	0.67181	0.48600
137	14.146	0.98865	0.39647	0.66968	0.52200
142	14.021	0.97993	0.39297	0.66377	0.58800
-152	14.261	0.99668	0.39969	0.67512	-1.0000

>ADDITIONAL PRESSURE RATIOS , PAN CAVITY FLOW

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.261	0.99668	0.39969	0.67512	-1.0000
-157	14.261	0.99668	0.39969	0.67512	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.266	0.99703	0.39983	0.67536	0.79300
172	14.261	0.99668	0.39969	0.67512	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.552	0.94712	0.37981	0.64155	0.79300
187	13.387	0.93560	0.37519	0.63376	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 572.38 FIF 571.39 SIGMA IC 1.4115 ETADF=0.028929 DCM 0.019605 CFM 0.0032633

RUN24

HESR-1 EWIS PRELIMINARY DATA 06/13/79 CADDFIT REF 10/24/79 22:52:00.122 FAR AXAXI PGM CD36 RNG 1451

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.557	0.87893	0.41547	0.70013	0.72200
37	13.795	0.96563	0.45645	0.76918	0.92000
47	14.230	0.99604	0.47083	0.79341	0.91900
52	14.483	1.0135	0.47909	0.80733	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	13.476	0.94326	0.44588	0.75136	0.42200
67	12.717	0.89012	0.42076	0.70904	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	11.653	0.81566	0.38556	0.64972	0.50800
82	16.407	1.1481	0.54270	0.91451	0.58300
92	14.269	0.99814	0.47182	0.79508	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.215	0.99499	0.47033	0.79257	-1.0000
-112	14.200	0.99394	0.46984	0.79174	-1.0000
-122	14.200	0.99394	0.46984	0.79174	-1.0000
-127	14.215	0.99499	0.47033	0.79257	-1.0000
-137	14.155	0.99079	0.46835	0.78923	-1.0000
-142	14.010	0.98066	0.46356	0.78115	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORECOW INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.215	0.99499	0.47033	0.79257	0.39800
112	14.200	0.99394	0.46984	0.79174	0.43100
122	14.200	0.99394	0.46984	0.79174	0.44900
127	14.215	0.99499	0.47033	0.79257	0.48600
137	14.155	0.99079	0.46835	0.78923	0.52200
142	14.010	0.98066	0.46356	0.78115	0.58800
147	14.275	0.99918	0.47231	0.79591	1.0000
157	14.275	0.99918	0.47231	0.79591	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.275	0.99918	0.47231	0.79591	-1.0000
-157	14.275	0.99918	0.47231	0.79591	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.270	0.99883	0.47215	0.79563	0.79300
172	14.275	0.99918	0.47231	0.79591	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.591	0.95060	0.44935	0.75721	0.79300
187	13.471	0.94201	0.44571	0.75108	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FF-3) 432.84 FIF 431.17 SIGMA IF 0.96530 FTARF 0.60815 DSP 0.063551 CFG 0.9929113

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	13.568	0.96737	0.52525	0.88900	0.72200
37	13.928	0.97301	0.54408	0.91300	0.82000
42	14.098	0.99579	0.55071	0.92506	0.91900
52	14.192	0.99171	0.55403	0.93067	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	13.743	0.96098	0.53696	0.90178	0.42200
67	13.599	0.95086	0.53120	0.89228	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	12.090	0.84539	0.47228	0.79330	0.50800
82	15.511	1.0946	0.60592	1.0178	0.58300
92	14.273	0.99800	0.55754	0.93651	0.67000

>ADDITIONAL PRESSURE RATIOS , SPECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.243	0.99591	0.55637	0.93455	-1.0000
-112	14.233	0.99521	0.55598	0.93389	-1.0000
-122	14.229	0.99496	0.55579	0.93356	-1.0000
-127	14.233	0.99521	0.55598	0.93389	-1.0000
-137	14.198	0.99206	0.55422	0.93094	-1.0000
-142	14.058	0.98298	0.54915	0.92242	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.243	0.99591	0.55637	0.93455	0.39800
112	14.233	0.99521	0.55598	0.93389	0.43100
122	14.229	0.99496	0.55579	0.93356	0.44900
127	14.233	0.99521	0.55598	0.93389	0.48600
137	14.188	0.99206	0.55422	0.93094	0.52200
142	14.058	0.98298	0.54915	0.92242	0.58800
152	14.243	0.99591	0.55637	0.93455	1.0000
157	14.238	0.99556	0.55613	0.93415	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.243	0.99470	0.55703	0.93717	-1.0000
-157	14.238	0.99905	0.55813	0.93760	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.238	0.99905	0.55813	0.93750	0.79300
172	14.283	0.99870	0.55703	0.93717	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.683	0.95679	0.53452	0.89785	0.79300
187	13.593	0.95051	0.53101	0.89195	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

PF-PI 204.20	FIC 202.35	SIGMA IC 1.9446	ETAPE 0.22537	DSM 0.030672	PSM 0.3031996

RUN 24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT PRT 10/24/79 22:59:49.997 FAC AX6X1 PGM C034 PAG 1453

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	6.8170	0.47711	0.17230	0.29189	0.72200
37	10.809	0.75646	0.27319	0.46279	0.82000
47	13.729	0.96090	0.34702	0.58787	0.91900
52	14.813	1.0367	0.37440	0.63426	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.936	1.1153	0.40279	0.68235	0.42200
67	13.220	0.92526	0.33415	0.56606	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.2950	0.65055	0.23494	0.39800	0.50800
82	13.395	0.93740	0.33856	0.57355	0.58300
92	14.224	0.99550	0.35951	0.60903	0.67000

>ADDITIONAL PRESSURE RATIOS , FOREBODY SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.164	0.99130	0.35800	0.60647	-1.0000
-112	14.154	0.99060	0.35774	0.60604	-1.0000
-122	14.159	0.99095	0.35787	0.60625	-1.0000
-127	14.179	0.99235	0.35838	0.60711	-1.0000
-137	14.124	0.98851	0.35699	0.60476	-1.0000
-142	14.059	0.98397	0.35535	0.60198	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.164	0.99130	0.35800	0.60647	0.39800
112	14.154	0.99060	0.35774	0.60604	0.43100
122	14.159	0.99095	0.35787	0.60625	0.44900
127	14.179	0.99235	0.35838	0.60711	0.48600
137	14.124	0.98851	0.35699	0.60476	0.52200
142	14.059	0.98397	0.35535	0.60198	0.58800

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.244	0.99689	0.36002	0.60989	-1.0000
-157	14.244	0.99689	0.36002	0.60989	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.244	0.99689	0.36002	0.60989	0.79300
172	14.244	0.99689	0.36002	0.60989	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.600	0.93796	0.33869	0.57376	0.79300
187	13.180	0.92247	0.33314	0.56435	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 671.69 FIC 669.57 SIGMA IC 1.5303 ETAPF 1.0567 DSM 0.061365 CFM 0.9929933

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT REC 10/24/79 23:02:46.768 FAC AX6X1 PGM C034 RNG 1454

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	8.6186	0.60380	0.16829	0.28657	0.72200
37	15.212	1.0657	0.29704	0.50582	0.82000
47	12.767	0.89442	0.24929	0.42651	0.91900
52	15.417	1.0801	0.30104	0.51267	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	20.616	1.4443	0.40255	0.68549	0.42200
67	17.088	1.1972	0.33367	0.56820	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	12.173	0.85282	0.23769	0.40476	0.50800
82	17.143	1.2010	0.33475	0.57003	0.58300
92	14.209	0.99547	0.27746	0.47247	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.134	0.99023	0.27599	0.46998	-1.0000
-112	14.124	0.98953	0.27580	0.46965	-1.0000
-122	14.114	0.98883	0.27560	0.46932	-1.0000
-127	14.144	0.99093	0.27619	0.47031	-1.0000
-137	14.099	0.98778	0.27531	0.46882	-1.0000
-142	14.054	0.98463	0.27443	0.46732	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORECOV INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.134	0.99023	0.27599	0.46998	0.39800
112	14.124	0.98953	0.27580	0.46965	0.43100
122	14.114	0.98883	0.27560	0.46932	0.44900
127	14.144	0.99093	0.27619	0.47031	0.48600
137	14.099	0.98778	0.27531	0.46882	0.52200
142	14.054	0.98463	0.27443	0.46732	0.58800
152	14.249	0.99829	0.27826	0.47549	-1.0000
157	14.244	0.99792	0.27814	0.47363	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.239	0.99757	0.27806	0.47346	-1.0000
-157	14.244	0.99792	0.27814	0.47363	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.239	0.99757	0.27806	0.47346	0.79300
172	14.239	0.99757	0.27806	0.47346	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.473	0.94373	0.26303	0.44791	0.79300
187	13.244	0.92799	0.25865	0.44044	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FF=21 993.63 FEC 202.13 SIGMA FC 2.5583 ETAPF 0.43146 DSW 0.061303 FSW 0.0029108

RUN 24

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	12.898	0.90213	0.49967	0.72329	0.72200
37	13.521	0.97369	0.53931	0.78066	0.82000
47	14.270	0.99913	0.55284	0.80026	0.91300
52	14.499	1.0129	0.56096	0.81201	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	13.726	0.96008	0.53177	0.76975	0.42200
67	13.132	0.91854	0.50876	0.73644	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	12.034	0.84173	0.46622	0.67486	0.50800
82	15.483	1.0829	0.59582	0.86826	0.58300
92	14.265	0.99773	0.55265	0.79998	0.67000

>ADDITIONAL PRESSURE RATIOS , FORCED VORTEX

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.225	0.99499	0.55110	0.79774	-1.0000
-112	14.220	0.99464	0.55091	0.79746	-1.0000
-122	14.210	0.99394	0.55052	0.79690	-1.0000
-127	14.230	0.99534	0.55130	0.79802	-1.0000
-137	14.180	0.99184	0.54936	0.79522	-1.0000
-142	14.046	0.98242	0.54414	0.78766	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.225	0.99499	0.55110	0.79774	0.39800
112	14.220	0.99464	0.55091	0.79746	0.43100
122	14.210	0.99394	0.55052	0.79690	0.44900
127	14.230	0.99534	0.55130	0.79802	0.48600
137	14.180	0.99184	0.54936	0.79522	0.52200
142	14.046	0.98242	0.54414	0.78766	0.58900
-152	14.280	0.99883	0.55320	0.80092	-1.0000
-158	14.299	0.99968	0.55306	0.80054	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN WHEEL PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.280	0.99883	0.55323	0.80092	-1.0000
-157	14.275	0.99848	0.55304	0.80064	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.280	0.99883	0.55323	0.80092	0.79300
172	14.270	0.99813	0.55284	0.80026	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.686	0.95729	0.53022	0.76751	0.79300
187	13.607	0.95179	0.52713	0.76303	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 345.37 FIC 344.32 SIGMA IC 1.2552 ETARF 0.936024 DSW 0.916623 CFN 0.993208

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CAMPELL REC 10/24/79 23:08:59.586 FAC 9X6X1 PGM C036 RNG 1456

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.285	0.71890	0.33941	0.49607	0.72200
37	13.560	0.94783	0.44759	0.64085	0.82000
47	14.433	1.0089	0.47633	0.68215	0.91500
52	14.778	1.0330	0.48770	0.69842	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.648	1.0099	0.47683	0.68285	0.42200
67	11.977	0.83721	0.39528	0.56607	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	11.543	0.80685	0.38094	0.54554	0.50000
82	16.410	1.1470	0.54156	0.77556	0.58300
92	14.246	0.99563	0.47007	0.67318	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.198	0.99214	0.46842	0.67082	-1.0000
-112	14.184	0.99145	0.46809	0.67035	-1.0000
-122	14.174	0.99075	0.46777	0.66988	-1.0000
-127	14.189	0.99179	0.46826	0.67059	-1.0000
-137	14.134	0.98796	0.46645	0.66799	-1.0000
-142	13.974	0.97679	0.46118	0.66044	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORENOOV INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.194	0.99214	0.46842	0.67082	0.39800
112	14.184	0.99145	0.46809	0.67035	0.43100
122	14.174	0.99075	0.46777	0.66988	0.44900
127	14.189	0.99179	0.46826	0.67059	0.48600
137	14.134	0.98796	0.46645	0.66799	0.52200
142	13.974	0.97679	0.46118	0.66044	0.58900
-147	14.259	0.99668	0.47057	0.67388	-1.0000
-157	14.259	0.99668	0.47057	0.67388	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN MIDDLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.259	0.99668	0.47057	0.67388	-1.0000
-157	14.259	0.99668	0.47057	0.67388	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.259	0.99668	0.47057	0.67389	0.79300
172	14.264	0.99703	0.47073	0.67412	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.545	0.94818	0.44767	0.64110	0.79300
187	13.445	0.94120	0.44437	0.63638	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 482.18 FLC 480.95 SIGMA FC 1.8556 ETAPF 0.20612 DSW 0.024753 CFM 0.9991732

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT REC 10/24/79 23:10:35.614 FAC AX6X1 PGM C034 RDC 1457

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	6.5564	0.45915	0.18296	0.26389	0.72200
37	9.9217	0.69482	0.27686	0.39934	0.82000
47	14.179	0.99294	0.39565	0.57068	0.91900
57	15.291	1.0667	0.42503	0.61305	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	16.758	1.1736	0.46763	0.67459	0.42209
67	13.021	0.91187	0.36335	0.52408	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	8.2862	0.58015	0.23117	0.33343	0.50800
82	19.961	1.3979	0.55700	0.80340	0.58300
92	14.229	0.99643	0.39706	0.57269	0.67000

>ADDITIONAL PRESSURE RATIOS , FORTH SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.174	0.99259	0.39551	0.57048	-1.0000
-112	14.166	0.99189	0.39523	0.57008	-1.0000
-122	14.154	0.99119	0.39495	0.56967	-1.0000
-127	14.174	0.99259	0.39551	0.57048	-1.0000
-137	14.124	0.98910	0.39412	0.56847	-1.0000
-142	14.019	0.98176	0.39120	0.56425	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.174	0.99259	0.39551	0.57048	0.39800
112	14.166	0.99189	0.39523	0.57008	0.43100
122	14.154	0.99119	0.39495	0.56967	0.44900
127	14.174	0.99259	0.39551	0.57048	0.48600
137	14.124	0.98910	0.39412	0.56847	0.52200
142	14.019	0.98176	0.39120	0.56425	0.58900
-147	14.244	0.99748	0.39761	0.57349	-1.0000
-152	14.244	0.99748	0.39761	0.57349	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.244	0.99748	0.39761	0.57329	-1.0000
-157	14.249	0.99783	0.39760	0.57349	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.249	0.99783	0.39760	0.57349	0.79300
172	14.244	0.99748	0.39746	0.57329	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.435	0.94087	0.37490	0.54075	0.79300
187	13.746	0.96269	0.38381	0.55312	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

WF=31 624.76 FIF 624.80 SIGMA IF 2.2071 ETAPF 0.91364 DSM 0.068079 FGM 0.0020465

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 23:11:10.235 FAC 826X1 PGM C036 PRG 1658

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	7.4343	0.52867	0.18857	0.27405	0.72200
37	10.808	0.76727	0.27416	0.39843	0.82000
47	12.839	0.89535	0.32567	0.47328	0.91980
52	15.256	1.0687	0.38691	0.56229	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	18.306	1.2926	0.46434	0.67481	0.42200
67	14.396	1.0086	0.36515	0.53066	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	9.3562	0.65552	0.23732	0.34489	0.50000
82	13.493	0.94115	0.34073	0.49517	0.58300
92	14.216	0.99602	0.36059	0.52404	0.67000

>ADDITIONAL PRESSURE RATIOS , CASING SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.156	0.99183	0.35908	0.52183	-1.0000
-112	14.141	0.99078	0.35870	0.52128	-1.0000
-122	14.136	0.99043	0.35857	0.52110	-1.0000
-127	14.161	0.99218	0.35920	0.52202	-1.0000
-137	14.121	0.98938	0.35819	0.52056	-1.0000
-142	14.046	0.98414	0.35629	0.51779	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.156	0.99183	0.35908	0.52183	0.39800
112	14.141	0.99078	0.35870	0.52128	0.43100
122	14.136	0.99043	0.35857	0.52110	0.44000
127	14.161	0.99218	0.35920	0.52202	0.48600
137	14.121	0.98938	0.35819	0.52055	0.52200
142	14.046	0.98414	0.35629	0.51779	0.58800
-152	14.236	0.99742	0.36110	0.52478	-1.0000
-157	14.236	0.99742	0.36110	0.52478	-1.0000

>ADDITIONAL PRESSURE RATIOS , AXIAL MOVING PROBE

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.236	0.99742	0.36110	0.52478	-1.0000
-157	14.236	0.99742	0.36110	0.52478	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.236	0.99742	0.36110	0.52478	0.79300
172	14.236	0.99742	0.36110	0.52478	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.298	0.93171	0.33731	0.49020	0.79300
187	13.049	0.91423	0.33098	0.48101	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-T) 720.77 FIP 718.98 SIGMA IP 1.0736 FTARF 0.73556 DSP 0.951080 DEN 0.3029633

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFII PEC 10/24/79 23:13:33.696 FAC AY&AI PGM C034 PRC 1459

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	8.7417	0.61237	0.19677	0.28852	0.72200
37	13.894	0.97329	0.31274	0.45857	0.82000
47	11.148	0.78096	0.25094	0.36795	0.91900
52	15.611	1.0936	0.35139	0.51523	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	20.616	1.4442	0.46405	0.68042	0.42200
67	16.619	1.1642	0.37408	0.54850	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	10.669	0.74739	0.24015	0.35213	0.50800
82	14.987	1.0499	0.33734	0.49464	0.58300
92	14.223	0.99636	0.32016	0.46944	0.67000

>ADDITIONAL PRESSURE RATIOS , EXTERNAL SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.153	0.99147	0.31858	0.46713	-1.0000
-112	14.143	0.99077	0.31836	0.46680	-1.0000
-122	14.138	0.99042	0.31825	0.46664	-1.0000
-127	14.163	0.99217	0.31881	0.46746	-1.0000
-137	14.128	0.98972	0.31802	0.46631	-1.0000
-142	14.079	0.98622	0.31690	0.46466	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.153	0.99147	0.31858	0.46713	0.39800
112	14.143	0.99077	0.31836	0.46680	0.43100
122	14.138	0.99042	0.31825	0.46664	0.44900
127	14.163	0.99217	0.31881	0.46746	0.48600
137	14.128	0.98972	0.31802	0.46631	0.52200
142	14.079	0.98622	0.31690	0.46466	0.58800
152	14.248	0.99811	0.32072	0.47026	-1.0000
157	14.248	0.99811	0.32072	0.47026	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.248	0.99811	0.32072	0.47026	-1.0000
-157	14.248	0.99811	0.32072	0.47026	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.253	0.99846	0.32083	0.47043	0.79300
172	14.248	0.99811	0.32072	0.47026	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.440	0.94147	0.30252	0.44357	0.79300
187	13.210	0.92539	0.29735	0.43600	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 854.72 FIC 853.57 SIGMA FC 2.1786 FTARE 0.091122 PS4 0.060163 PFM 0.0020266

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDETT PFC 10/24/79 23:15:37.525 FAC RX6X1 PGM C036 RDG 1469

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	9.7993	0.68622	0.19065	0.27456	0.72200
37	17.213	1.2364	0.33517	0.48269	0.82000
47	13.892	0.97381	0.27055	0.38963	0.91900
52	14.171	0.99340	0.27599	0.39746	1.0170

>ADDITIONAL PRESSURE RATIOS , FL 4 SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	24.265	1.7009	0.47256	0.68055	0.42200
67	19.500	1.3669	0.37977	0.54691	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.285	0.86117	0.23926	0.34456	0.50800
82	17.250	1.2092	0.33595	0.48381	0.58300
92	14.206	0.99585	0.27667	0.39844	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR INFLOW

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.131	0.99060	0.27522	0.39634	-1.0000
-112	14.116	0.98955	0.27492	0.39592	-1.0000
-122	14.111	0.98921	0.27483	0.39578	-1.0000
-127	14.141	0.99130	0.27541	0.39662	-1.0000
-137	14.097	0.98816	0.27454	0.39536	-1.0000
-142	14.052	0.98501	0.27366	0.39411	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.131	0.99060	0.27522	0.39634	0.39800
112	14.116	0.98955	0.27492	0.39592	0.43100
122	14.111	0.98921	0.27483	0.39578	0.44900
127	14.141	0.99130	0.27541	0.39662	0.48600
137	14.097	0.98816	0.27454	0.39536	0.52200
142	14.052	0.98501	0.27366	0.39411	0.58800
-152	14.241	0.99837	0.27735	0.39942	-1.0000
-157	14.241	0.99830	0.27735	0.39942	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN SPLICE PLATE

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.241	0.99830	0.27735	0.39942	-1.0000
-157	14.241	0.99830	0.27735	0.39942	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.236	0.99795	0.27726	0.39928	0.79300
172	14.241	0.99830	0.27735	0.39942	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.503	0.94653	0.26297	0.37871	0.79300
187	13.283	0.93114	0.25870	0.37255	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-N) 1069.2 FIC 1064.8 SIGMA IC 2.4016 FTARE 0.31195 DSM 0.366895 CFM 0.992868

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	10.901	0.76501	0.18317	0.26641	0.72200
37	16.395	1.1442	0.27396	0.39847	0.82000
47	16.944	1.1890	0.29469	0.41497	0.91900
52	12.396	0.86972	0.20824	0.30288	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	27.715	1.9449	0.46567	0.67730	0.42200
67	21.778	1.5247	0.36507	0.53099	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	14.170	0.99438	0.23808	0.34629	0.50800
82	20.017	1.4047	0.33632	0.48917	0.58300
92	14.195	0.99613	0.23850	0.34690	0.67000

>ADDITIONAL PRESSURE RATIOS , FORWARD DUCTIN

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.105	0.98982	0.23690	0.34470	-1.0000
-112	14.095	0.98912	0.23683	0.34446	-1.0000
-122	14.090	0.98877	0.23674	0.34434	-1.0000
-127	14.125	0.99122	0.23733	0.34519	-1.0000
-137	14.090	0.98877	0.23674	0.34434	-1.0000
-142	14.055	0.98632	0.23616	0.34348	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.105	0.98982	0.23699	0.34470	0.39800
112	14.095	0.98912	0.23683	0.34446	0.43100
122	14.090	0.98877	0.23674	0.34434	0.44900
127	14.125	0.99122	0.23733	0.34519	0.48600
137	14.090	0.98877	0.23674	0.34434	0.52200
142	14.055	0.98632	0.23616	0.34348	0.58800
-147	14.239	0.99923	0.23927	0.34801	-1.0000
-157	14.240	0.99928	0.23928	0.34802	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PTAP

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	14.235	0.99893	0.23917	0.34787	-1.0000
-157	14.240	0.99928	0.23926	0.34800	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	14.235	0.99893	0.23917	0.34787	0.79300
172	14.235	0.99893	0.23917	0.34787	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	13.332	0.93555	0.22400	0.32580	0.79300
187	12.997	0.91139	0.21821	0.31739	0.84400

>STATION 5 , MEASURED THRUST PARAMETERS

FF-01 1302.9 FF 1301.2 SIGMA FC 4.1027 FTSPF 0.55749 DSM 0.086351 CFM 0.0028319

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RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDETT REC 10/24/79 23:17:44.424 FAC 4X6X1 PGM C034 PAG 1462

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	10.892	0.76410	0.18298	0.26593	0.72200
37	16.298	1.1433	0.27380	0.39792	0.82000
47	16.936	1.1881	0.28453	0.41359	0.91900
52	12.373	0.86803	0.20787	0.30210	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	27.706	1.9437	0.46547	0.67647	0.42200
67	21.717	1.5235	0.36485	0.53024	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	14.174	0.99433	0.23812	0.34606	0.50800
82	20.007	1.4036	0.33617	0.48849	0.58300
92	14.234	0.99843	0.23882	0.34679	0.67000

>ADDITIONAL PRESSURE RATIOS , FORWARD SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.104	0.98963	0.23696	0.34435	-1.0000
-112	14.094	0.98893	0.23678	0.34411	-1.0000
-122	14.084	0.98803	0.23661	0.34387	-1.0000
-127	14.129	0.99118	0.23736	0.34496	-1.0000
-137	14.089	0.98838	0.23669	0.34390	-1.0000
-142	14.049	0.98558	0.23602	0.34301	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.104	0.98963	0.23696	0.34435	0.39800
112	14.094	0.98893	0.23678	0.34411	0.43100
122	14.084	0.98803	0.23661	0.34387	0.44900
127	14.129	0.99118	0.23736	0.34496	0.48600
137	14.089	0.98838	0.23669	0.34390	0.52200
142	14.049	0.98558	0.23602	0.34301	0.58800
-147	14.233	0.99853	0.23912	0.34752	-1.0000
-152	14.233	0.99853	0.23912	0.34752	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN MIDDLE FLOW

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.233	0.99853	0.23912	0.34752	-1.0000
-157	14.233	0.99853	0.23912	0.34752	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.238	0.99888	0.23921	0.34764	0.79300
172	14.233	0.99853	0.23912	0.34752	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.331	0.93520	0.22394	0.32548	0.79300
187	13.332	0.93211	0.21843	0.31745	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-PI 1333.1 FIC 1301.6 SIGMA IC 2.7563 ETAPF 0.17594 DSM 0.049175 CFM 0.0028880

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/24/79 23:19:19.307 FAC 8X6V1 PGM C036 RDG 1463

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	9.7458	0.68324	0.18588	0.27398	0.72200
37	17.138	1.2015	0.33390	0.49181	0.82000
42	13.997	0.97423	0.27075	0.39067	0.91900
52	14.166	0.99312	0.27599	0.39925	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
42	24.235	1.6990	0.47216	0.69131	0.42200
47	19.472	1.3651	0.37937	0.54742	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.240	0.85813	0.23848	0.34412	0.50800
82	17.208	1.2064	0.33526	0.48377	0.58300
92	14.206	0.99591	0.27677	0.39937	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.116	0.98962	0.27502	0.39684	-1.0000
-112	14.111	0.98927	0.27492	0.39670	-1.0000
-122	14.106	0.98892	0.27483	0.39656	-1.0000
-127	14.136	0.99102	0.27561	0.39740	-1.0000
-137	14.096	0.98822	0.27463	0.39628	-1.0000
-142	14.056	0.98542	0.27385	0.39516	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.116	0.98962	0.27502	0.39684	0.39800
112	14.111	0.98927	0.27492	0.39670	0.43100
122	14.106	0.98892	0.27483	0.39656	0.44900
127	14.136	0.99102	0.27561	0.39740	0.48600
137	14.096	0.98822	0.27463	0.39628	0.52200
142	14.056	0.98542	0.27385	0.39516	0.58800
-152	14.241	0.99836	0.27745	0.40035	-1.0000
-157	14.236	0.99801	0.27735	0.40021	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.241	0.99836	0.27745	0.40035	-1.0000
-157	14.236	0.99801	0.27735	0.40021	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.236	0.99801	0.27735	0.40021	0.79300
172	14.231	0.99766	0.27726	0.40007	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.493	0.94591	0.26287	0.37932	0.79300
187	13.273	0.93052	0.25860	0.37315	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 1047.2 FI 1045.6 SIGMA FI 1.9301 FTAPE 0.48439 DSM 0.050083 CFM 0.0029288

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL PEC 10/24/79 23:20:33.680 FAC AX6X1 PGM C036 RDG 1464

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	8.6566	0.59226	0.19066	0.27925	0.72200
37	13.946	0.97675	0.31444	0.46054	0.82000
47	10.957	0.76741	0.24705	0.36183	0.91900
52	15.602	1.0928	0.35179	0.51523	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	20.568	1.4404	0.46369	0.67914	0.42200
67	14.326	1.1434	0.36810	0.53912	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	10.558	0.73944	0.23805	0.34865	0.50800
82	14.434	1.0389	0.33446	0.48986	0.58300
92	14.215	0.99562	0.32052	0.46943	0.67000

>ADDITIONAL PRESSURE RATIOS , SPLITTER SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.151	0.99107	0.31905	0.46729	-1.0000
-112	14.136	0.99002	0.31872	0.46680	-1.0000
-122	14.131	0.98967	0.31860	0.46663	-1.0000
-127	14.161	0.99177	0.31928	0.46762	-1.0000
-137	14.121	0.98898	0.31838	0.46630	-1.0000
-142	14.071	0.98548	0.31725	0.46466	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.151	0.99107	0.31905	0.46729	0.39800
112	14.136	0.99002	0.31872	0.46680	0.43100
122	14.131	0.98967	0.31860	0.46663	0.44900
127	14.161	0.99177	0.31928	0.46762	0.48600
137	14.121	0.98898	0.31838	0.46630	0.52200
142	14.071	0.98548	0.31725	0.46466	0.58800
-152	14.240	0.99736	0.32108	0.47026	-1.0000
-157	14.245	0.99771	0.32119	0.47042	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.240	0.99736	0.32108	0.47026	-1.0000
-157	14.245	0.99771	0.32119	0.47042	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.245	0.99771	0.32119	0.47042	0.79300
172	14.245	0.99771	0.32119	0.47042	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.937	0.93901	0.30229	0.44274	0.79300
187	13.178	0.92293	0.29712	0.43516	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-FI) PS3.97 FIC PS2.62 SIGMA LC 1.3357 ETAPF 0.31113 PSM 0.040714 PFM 0.3030286

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RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL PEC 10/24/79 23:21:34.275 FAC 8X6X1 PGM C034 RDC 1465

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	7.3341	0.51357	0.18589	0.26903	0.72200
37	10.714	0.75025	0.27155	0.39433	1.02000
47	12.965	0.90647	0.32803	0.47644	0.91900
52	15.275	1.0696	0.38715	0.56221	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	18.348	1.2848	0.46504	0.67532	0.42200
67	14.497	1.0151	0.36742	0.53356	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.2763	0.64958	0.23511	0.34142	0.50800
87	13.424	0.94002	0.34023	0.49408	0.58300
97	14.207	0.99489	0.36008	0.52291	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.147	0.99068	0.35857	0.52070	-1.0000
-112	14.137	0.98998	0.35831	0.52034	-1.0000
-122	14.132	0.98964	0.35819	0.52015	-1.0000
-127	14.157	0.99138	0.35882	0.52107	-1.0000
-137	14.108	0.98789	0.35756	0.51926	-1.0000
-142	14.028	0.98230	0.35553	0.51630	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.147	0.99068	0.35857	0.52070	0.39800
112	14.137	0.98998	0.35831	0.52034	0.43100
122	14.132	0.98964	0.35819	0.52015	0.44900
127	14.157	0.99138	0.35882	0.52107	0.48600
137	14.108	0.98789	0.35756	0.51924	0.57200
142	14.028	0.98230	0.35553	0.51630	0.58800
-147	14.232	0.99662	0.36072	0.52383	-1.0000
-157	14.232	0.99662	0.36072	0.52383	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.232	0.99662	0.36072	0.52383	-1.0000
-157	14.232	0.99662	0.36072	0.52383	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.232	0.99662	0.36072	0.52383	0.79300
172	14.232	0.99662	0.36072	0.52383	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.279	0.92988	0.33656	0.48875	0.79300
187	13.025	0.91206	0.33011	0.47938	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-01) 721.50 FLC 720.17 SIGMA IC 1.0479 ETAPE 0.27875 DSM 0.968099 CFM 1.0029833

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT REC 10/24/79 23:22:52.119 FAC 9X6X1 PGM C934 PDG 1466

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	6.5399	0.45604	0.18202	0.26212	0.72200
37	9.8449	0.68966	0.27527	0.39641	0.82000
47	14.161	0.99206	0.39596	0.57021	0.91900
52	15.239	1.0675	0.42608	0.61360	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	16.765	1.1745	0.46877	0.67506	0.42200
67	13.099	0.91759	0.36624	0.52742	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.2076	0.57496	0.22949	0.33058	0.50800
82	19.938	1.3966	0.55663	0.80160	0.58300
92	14.236	0.99728	0.39805	0.57322	0.67000

>ADDITIONAL PRESSURE RATIOS , SPLITTER SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.181	0.99343	0.39651	0.57101	-1.0000
-112	14.166	0.99239	0.39610	0.57041	-1.0000
-122	14.161	0.99204	0.39596	0.57021	-1.0000
-127	14.181	0.99343	0.39651	0.57101	-1.0000
-137	14.126	0.98959	0.39498	0.56880	-1.0000
-142	14.017	0.98190	0.39191	0.56438	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.181	0.99343	0.39651	0.57101	0.39800
112	14.166	0.99239	0.39610	0.57041	0.43100
122	14.161	0.99204	0.39596	0.57021	0.44900
127	14.181	0.99343	0.39651	0.57101	0.48600
137	14.126	0.98959	0.39498	0.56880	0.52200
142	14.017	0.98190	0.39191	0.56438	0.58800
-147	14.241	0.99833	0.39847	0.57383	-1.0000
-152	14.241	0.99833	0.39847	0.57383	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.241	0.99833	0.39847	0.57383	-1.0000
-157	14.241	0.99833	0.39847	0.57383	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.256	0.99868	0.39861	0.57403	0.79300
172	14.256	0.99868	0.39861	0.57403	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.428	0.94066	0.37545	0.54068	0.79300
187	13.228	0.92668	0.36987	0.53264	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-01 626.35 FIC 624.67 SIGMA IC 2.2612 ETAPF 0.62350 DSM 0.056033 CFM 0.0029628

RUN 24

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	10.385	0.72629	0.34489	0.49319	0.72200
37	13.585	0.95014	0.45118	0.64520	0.82000
47	14.409	1.0077	0.47854	0.68432	0.91900
52	14.759	1.0322	0.49015	0.70091	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	14.404	1.0074	0.47838	0.68408	0.42200
67	12.348	0.86359	0.40911	0.57216	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	11.568	0.80767	0.38353	0.54845	0.50800
82	16.271	1.1380	0.54038	0.77274	0.58300
92	14.239	0.99588	0.47290	0.67625	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.196	0.99274	0.47141	0.67412	-1.0000
-112	14.179	0.99169	0.47091	0.67341	-1.0000
-122	14.174	0.99134	0.47075	0.67317	-1.0000
-127	14.189	0.99239	0.47125	0.67388	-1.0000
-137	14.120	0.98750	0.46893	0.67056	-1.0000
-142	13.960	0.97633	0.46362	0.66298	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.196	0.99274	0.47141	0.67412	0.39800
112	14.179	0.99169	0.47091	0.67341	0.43100
122	14.174	0.99134	0.47075	0.67317	0.44900
127	14.189	0.99239	0.47125	0.67388	0.48600
137	14.120	0.98750	0.46893	0.67056	0.52200
142	13.960	0.97633	0.46362	0.66298	0.58800
-152	14.254	0.99693	0.47340	0.67697	-1.0000
-157	14.249	0.99658	0.47324	0.67675	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.254	0.99693	0.47340	0.67697	-1.0000
-157	14.249	0.99658	0.47324	0.67675	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.254	0.99693	0.47340	0.67697	0.79300
172	14.254	0.99693	0.47340	0.67697	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.565	0.94735	0.44986	0.64330	0.79300
187	13.446	0.94036	0.44654	0.63856	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 479.78 FIC 479.34 SIGMA (F-D) 1.2944 ETAPF-0.96161 DSP 0.0011721 DFN 0.0062920

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDETT REC 10/24/79 23:24:46.656 EAF AX6X1 PGM F034 PRC 146A

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	12.907	0.90276	0.49951	0.72323	0.72200
37	13.944	0.97530	0.53966	0.78134	0.82000
47	14.209	1.0001	0.55334	0.80118	0.91900
52	14.502	1.0144	0.56125	0.81263	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	13.745	0.96135	0.53193	0.77017	0.42200
67	13.151	0.91985	0.50896	0.73692	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	12.064	0.84382	0.46689	0.67601	0.50800
82	15.485	1.0831	0.59926	0.86766	0.58300
92	14.283	0.99902	0.55276	0.80024	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.248	0.99658	0.55141	0.79838	-1.0000
-112	14.238	0.99588	0.55103	0.79782	-1.0000
-122	14.233	0.99553	0.55084	0.79754	-1.0000
-127	14.243	0.99623	0.55122	0.79810	-1.0000
-137	14.198	0.99309	0.54948	0.79559	-1.0000
-142	14.059	0.98332	0.54409	0.78777	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.248	0.99658	0.55141	0.79838	0.39800
112	14.238	0.99588	0.55103	0.79782	0.43100
122	14.233	0.99553	0.55084	0.79754	0.44900
127	14.243	0.99623	0.55122	0.79810	0.48600
137	14.198	0.99309	0.54948	0.79559	0.52200
142	14.059	0.98332	0.54409	0.78777	0.58800
-152	14.298	1.0001	0.55334	0.80118	-1.0000
-157	14.293	0.99971	0.55315	0.80090	-1.0000

>ADDITIONAL PRESSURE RATIOS , FLOW WRAPUP PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.298	1.0001	0.55334	0.80118	-1.0000
-157	14.293	0.99971	0.55315	0.80090	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.298	1.0001	0.55334	0.80118	0.79300
172	14.293	0.99971	0.55315	0.80090	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	13.705	0.95856	0.53038	0.76793	0.79300
187	13.615	0.95229	0.52691	0.76290	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-FJ 346.83 FLC 346.40 SIGMA FC 1.1155 ETAPF-0.57303 DSW 0.0020558 DFW 0.0030920

RUN 24

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	14.615	0.98159	0.54279	0.90866	0.72200
37	14.944	1.0037	0.55504	0.92916	0.82000
47	15.049	1.0135	0.56042	0.93816	0.91900
52	15.174	1.0192	0.56357	0.94344	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	14.785	0.99300	0.54910	0.91922	0.42200
67	14.660	0.98461	0.54446	0.91145	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	13.001	0.87321	0.48286	0.80833	0.50800
82	16.803	1.1285	0.62405	1.0447	0.58300
92	14.920	1.0021	0.55411	0.92760	0.67000

>ADDITIONAL PRESSURE RATIOS , DUCT FOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.475	0.97220	0.53760	0.89996	-1.0000
-112	14.385	0.96616	0.53426	0.89437	-1.0000
-122	14.385	0.96616	0.53426	0.89437	-1.0000
-127	14.665	0.98495	0.54485	0.91176	-1.0000
-137	14.650	0.98394	0.54409	0.91083	-1.0000
-142	14.460	0.97119	0.53704	0.89903	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.475	0.97220	0.53760	0.89996	0.39800
112	14.385	0.96616	0.53426	0.89437	0.43100
122	14.385	0.96616	0.53426	0.89437	0.44900
127	14.665	0.98495	0.54485	0.91176	0.48600
137	14.650	0.98394	0.54409	0.91083	0.52200
142	14.460	0.97119	0.53704	0.89903	0.58800
-152	14.934	1.0031	0.55467	0.92854	-1.0000
-157	14.929	1.0027	0.55448	0.92823	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.934	1.0031	0.55467	0.92854	-1.0000
-157	14.929	1.0027	0.55448	0.92823	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.920	1.0021	0.55411	0.92760	0.79300
172	14.915	1.0017	0.55392	0.92729	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	14.735	0.99964	0.54725	0.91611	0.79300
187	14.310	0.96113	0.53148	0.88971	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

TF-01 295.03 FIC 289.96 SIGMA TF 3.9153 FTAPF 2.7990 DSM 2.2882 CFM 0.0021273

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CANDELI REC 10/25/79 00:36:50.886 FAC BX6X1 PGM C034 PDC 1470

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	13.999	0.93156	0.46317	0.73529	0.72200
37	15.037	1.0058	0.47851	0.79392	1.02000
47	15.407	1.0326	0.49125	0.81504	0.91900
52	15.641	1.0483	0.49873	0.82745	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 1.0.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.728	0.98708	0.46960	0.77913	0.42200
67	14.069	0.94291	0.44859	0.74427	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER 0.0.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.696	0.85089	0.40481	0.67163	0.50800
82	17.114	1.1470	0.54568	0.90535	0.58300
92	14.953	1.0021	0.47676	0.79101	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.488	0.97102	0.46196	0.76645	-1.0000
-112	14.388	0.96433	0.45877	0.76117	-1.0000
-122	14.383	0.96399	0.45861	0.76090	-1.0000
-127	14.658	0.98239	0.46737	0.77543	-1.0000
-137	14.648	0.98172	0.46705	0.77490	-1.0000
-142	14.438	0.96767	0.46037	0.76381	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.488	0.97102	0.46196	0.76645	0.39800
112	14.388	0.96433	0.45877	0.76117	0.43100
122	14.383	0.96399	0.45861	0.76090	0.44900
127	14.658	0.98239	0.46737	0.77543	0.48600
137	14.648	0.98172	0.46705	0.77490	0.52200
142	14.438	0.96767	0.46037	0.76381	0.58800
-152	14.968	1.0028	0.47660	0.79075	-1.0000
-157	14.968	1.0028	0.47660	0.79075	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.958	1.0018	0.47660	0.79075	-1.0000
-157	14.968	1.0028	0.47660	0.79075	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.953	1.0021	0.47676	0.79101	0.79300
172	14.953	1.0021	0.47676	0.79101	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.903	0.99210	0.47199	0.78309	0.79300
187	14.393	0.96466	0.45893	0.76143	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-01 474.60 FIC 429.36 SIGMA FG 4.0056 ETAPF 2.6839 DSW 2.3538 FEW 0.0321218

RUN24

VASA-HWIS PRELIMINARY DATA 06/13/79 CADDFII REF 10/25/79 00:37:44.469 FAC 9X6X1 PG= 0036 PDG 1471

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	10.978	0.72916	0.29131	0.49857	0.72200
37	14.095	0.94481	0.37747	0.63306	0.82000
47	15.424	1.0339	0.41305	0.69274	0.91900
52	15.943	1.0700	0.42749	0.71696	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
52	15.244	1.0218	0.40823	0.68466	0.42200
67	12.402	0.83130	0.33212	0.55701	0.67000

>ADDITIONAL PRESSUPE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	10.438	0.69968	0.27954	0.46882	0.50800
82	18.605	1.2471	0.49824	0.83562	0.58300
92	14.954	1.0024	0.40048	0.67165	0.67000

>ADDITIONAL PRESSUPE RATIOS , DUCTED SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.525	0.97361	0.38897	0.65237	-1.0000
-112	14.450	0.96858	0.38697	0.64895	-1.0000
-122	14.460	0.96925	0.38723	0.64944	-1.0000
-127	14.739	0.98800	0.39472	0.66200	-1.0000
-137	14.736	0.98767	0.39459	0.66178	-1.0000
-142	14.599	0.97863	0.39098	0.65572	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.525	0.97361	0.38897	0.65236	0.39800
112	14.450	0.96858	0.38697	0.64895	0.43100
122	14.460	0.96925	0.38723	0.64944	0.44900
127	14.739	0.98800	0.39472	0.66200	0.48600
137	14.736	0.98767	0.39459	0.66178	0.52200
142	14.599	0.97863	0.39098	0.65572	0.58800
-142	14.976	1.0037	0.40101	0.67255	-1.0000
-147	14.964	1.0031	0.40074	0.67210	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	14.976	1.0037	0.40101	0.67255	-1.0000
-157	14.964	1.0031	0.40074	0.67210	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	14.964	1.0031	0.40074	0.67210	0.79300
172	14.959	1.0027	0.40061	0.67187	0.84400

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.904	0.99235	0.39846	0.66852	0.79300
187	14.905	0.99557	0.39876	0.66897	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-01 597.32 FIG 585.42 SIGMA IC 2.4342 FTARF 2.3242 DSM 2.3797 FRM 0.0021200

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDE11 REF 10/25/78 00:39:00.213 FAC 8XAX1 PGM C054 RNG 1472

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	7.9260	0.47035	0.17046	0.28966	0.72200
37	11.973	0.80150	0.29047	0.49359	0.82000
47	15.309	1.0248	0.37141	0.63113	0.91900
52	16.233	1.0947	0.39310	0.66798	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	16.532	1.1067	0.40109	0.68157	0.42200
67	13.646	0.91352	0.33106	0.56257	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	9.8196	0.65736	0.23823	0.40482	0.50000
82	19.209	1.2859	0.46602	0.79191	0.58300
92	16.959	1.0016	0.36293	0.61672	0.67000

>ADDITIONAL PRESSURE RATIOS , SPLITTER SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.520	0.97202	0.35227	0.59860	-1.0000
-112	14.450	0.96734	0.35057	0.59572	-1.0000
-122	14.470	0.96868	0.35105	0.59654	-1.0000
-127	14.760	0.98673	0.35760	0.60766	-1.0000
-137	14.765	0.98841	0.35820	0.60869	-1.0000
-142	14.705	0.98439	0.35675	0.60622	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.520	0.97202	0.35227	0.59860	0.39900
112	14.450	0.96734	0.35057	0.59572	0.42100
122	14.470	0.96868	0.35105	0.59654	0.44900
127	14.760	0.98673	0.35760	0.60766	0.48600
137	14.765	0.98841	0.35820	0.60869	0.52200
142	14.705	0.98439	0.35675	0.60622	0.58800
-152	14.969	1.0021	0.36317	0.61713	-1.0000
-157	14.969	1.0021	0.36317	0.61713	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN MIDSTG PLNP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.969	1.0021	0.36317	0.61713	-1.0000
-157	14.969	1.0021	0.36317	0.61713	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.979	1.0028	0.36341	0.61754	0.79300
172	14.979	1.0028	0.36341	0.61754	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	14.695	0.98372	0.35651	0.60581	0.79300
187	14.270	0.95531	0.34621	0.58831	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FF=11 693.95 FIC 678.77 SIGMA FF 3.0639 FTARF 2.7444 DSW 2.6356 FSW 1.0323151

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RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CANDELL PEC 10/25/79 00:40:25.390 FAC AY6X1 PGM C034 PAG 1473

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	9.1402	0.54381	0.17472	0.29817	0.72200
37	13.611	0.90927	0.29214	0.49855	0.87000
47	11.593	0.77446	0.24882	0.42463	0.91900
52	16.502	1.1024	0.35429	0.60446	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	10.719	1.2505	0.40179	0.68567	0.42200
67	15.543	1.0386	0.33362	0.56934	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	11.083	0.74042	0.23789	0.40597	0.50800
82	15.518	1.0367	0.33309	0.56843	0.58300
92	15.004	1.0024	0.32204	0.54959	0.67000

>ADDITIONAL PRESSURE RATIOS , FORWARD SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.590	0.97399	0.31293	0.53404	-1.0000
-112	14.510	0.96932	0.31143	0.53148	-1.0000
-122	14.525	0.97032	0.31176	0.53202	-1.0000
-127	14.804	0.98901	0.31776	0.54227	-1.0000
-137	14.844	0.99168	0.31861	0.54373	-1.0000
-142	14.836	0.99368	0.31926	0.54483	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.590	0.97399	0.31293	0.53404	0.39800
112	14.510	0.96932	0.31143	0.53148	0.43100
122	14.525	0.97032	0.31176	0.53202	0.44900
127	14.804	0.98901	0.31776	0.54227	0.48600
137	14.844	0.99168	0.31861	0.54373	0.52200
142	14.836	0.99368	0.31926	0.54483	0.58400
-147	14.999	1.0020	0.32194	0.54940	-1.0000
-157	14.999	1.0020	0.32194	0.54940	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	14.999	1.0020	0.32194	0.54940	-1.0000
-157	14.999	1.0020	0.32194	0.54940	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	14.999	1.0020	0.32194	0.54940	0.79300
172	15.004	1.0024	0.32204	0.54959	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	14.645	0.97833	0.31433	0.53641	0.79300
187	14.189	0.94730	0.30436	0.51940	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FS-01 820.44 FIC 815.80 SIGMA IC 4.2222 ETADF 2.0972 DSM 2.4589 FRM 0.0021136

RUN 24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL PEC 10/25/79 00:41:54.119 FAC 8X6X1 PGM C036 RDC 1474

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PI	PL/PTF	PL/PTP	X/DMAX
32	9.3385	0.61670	0.17068	0.29161	0.72200
37	16.473	1.0878	0.30108	0.51439	0.82000
47	13.573	0.89633	0.24808	0.42383	0.91900
52	16.942	1.1122	0.30783	0.52592	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	22.068	1.4573	0.40334	0.68909	0.42200
67	18.584	1.2273	0.33967	0.58031	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	13.019	0.85973	0.23795	0.40652	0.50800
82	18.760	1.2058	0.33174	0.57018	0.58300
92	15.145	1.0002	0.27682	0.47293	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.726	0.97248	0.26915	0.45983	-1.0000
-112	14.661	0.96820	0.26797	0.45781	-1.0000
-122	14.691	0.96951	0.26833	0.45843	-1.0000
-127	14.960	0.98797	0.27344	0.46716	-1.0000
-137	14.995	0.99028	0.27408	0.46825	-1.0000
-142	15.025	0.99226	0.27463	0.46919	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.726	0.97248	0.26915	0.45983	0.39800
112	14.661	0.96820	0.26797	0.45781	0.43100
122	14.691	0.96951	0.26833	0.45843	0.44900
127	14.960	0.98797	0.27344	0.46716	0.48600
137	14.995	0.99028	0.27408	0.46825	0.52200
142	15.025	0.99226	0.27463	0.46919	0.58800
-147	15.140	0.99984	0.27672	0.47277	-1.0000
-147	15.140	0.99984	0.27672	0.47277	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.140	0.99984	0.27672	0.47277	-1.0000
-157	15.140	0.99984	0.27672	0.47277	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.130	0.99918	0.27654	0.47246	0.79300
172	15.130	0.99918	0.27654	0.47246	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.881	0.98270	0.27198	0.46467	0.79300
187	14.461	0.95501	0.26432	0.45157	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 1049.8 FLC 1045.9 SIGMA LC 3.6832 ETAPF 2.3598 DSM 2.4319 CFM 0.0021153

RUN24

NASA-LEWIS PRELIMINARY DATA 04/13/79 CANDELI REC 10/25/79 00:43:13.303 FAC 9KEX1 PGM F034 PDG 1475

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	9.7335	0.64527	0.16241	0.27639	0.72200
37	17.416	1.1546	0.29059	0.49455	0.82000
47	15.039	0.99699	0.25093	0.42704	0.91900
52	16.937	1.1229	0.28259	0.48093	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	23.999	1.5913	0.39875	0.67862	0.42200
67	19.329	1.2814	0.32251	0.54886	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	14.250	0.94467	0.23776	0.40463	0.50800
82	20.043	1.3287	0.33442	0.56914	0.58300
92	15.129	1.0029	0.25243	0.42960	0.67000

>ADDITIONAL PRESSURE RATIOS , ESPECIAL SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.769	0.97911	0.24643	0.41939	-1.0000
-112	14.719	0.97580	0.24559	0.41797	-1.0000
-122	14.744	0.97745	0.24601	0.41868	-1.0000
-127	14.989	0.99368	0.25010	0.42563	-1.0000
-137	15.044	0.99732	0.25101	0.42719	-1.0000
-142	15.079	0.99964	0.25160	0.42818	-1.0000

>ADDITIONAL PRESSURE RATIOS , ESPECIAL INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.769	0.97911	0.24643	0.41939	0.39800
112	14.719	0.97580	0.24559	0.41797	0.43100
122	14.744	0.97745	0.24601	0.41868	0.44900
127	14.989	0.99368	0.25010	0.42563	0.48600
137	15.044	0.99732	0.25101	0.42719	0.52200
142	15.079	0.99964	0.25160	0.42818	0.58800
-152	15.124	1.0026	0.25235	0.42946	-1.0000
-157	15.124	1.0026	0.25235	0.42946	-1.0000

>ADDITIONAL PRESSURE RATIOS , FLOW METER PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.124	1.0026	0.25235	0.42946	-1.0000
-157	15.124	1.0026	0.25235	0.42946	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.124	1.0026	0.25235	0.42946	0.79300
172	15.129	1.0029	0.25243	0.42960	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.944	0.99070	0.24935	0.42435	0.79300
187	14.575	0.96620	0.24318	0.41385	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 1199.6 FIC 1194.2 SIGMA IC 3.6665 ETAPF 2.1461 DSM 2.3104 FFM 0.0021257

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDETT PEC 10/25/79 09:43:47.090 FAP REL61 PGM C034 PDG 1476

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	9.6896	0.64319	0.16204	0.27667	0.72200
37	17.332	1.1505	0.28596	0.49650	0.82000
47	14.353	0.99239	0.25002	0.42688	0.91900
52	16.938	1.1243	0.28326	0.48364	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	23.809	1.5805	0.39819	0.67985	0.42200
67	19.290	1.2798	0.32243	0.55051	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	14.201	0.94265	0.23749	0.40549	0.50900
82	19.984	1.3265	0.33421	0.57062	0.58300
92	15.100	1.0023	0.25252	0.43116	0.67000

>ADDITIONAL PRESSURE RATIOS , EXIT TIP SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.740	0.97846	0.24651	0.42089	-1.0000
-112	14.685	0.97481	0.24559	0.41932	-1.0000
-122	14.720	0.97714	0.24618	0.42032	-1.0000
-127	14.979	0.99371	0.25035	0.42745	-1.0000
-137	15.015	0.99670	0.25110	0.42873	-1.0000
-142	15.055	0.99935	0.25177	0.42987	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.740	0.97846	0.24651	0.42089	0.39800
112	14.685	0.97481	0.24559	0.41932	0.43100
122	14.720	0.97714	0.24618	0.42032	0.44900
127	14.979	0.99371	0.25035	0.42745	0.48600
137	15.015	0.99670	0.25110	0.42873	0.52200
142	15.055	0.99935	0.25177	0.42987	0.58800
-147	15.100	1.0023	0.25252	0.43116	-1.0000
-152	15.100	1.0023	0.25252	0.43116	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE CAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.100	1.0023	0.25252	0.43116	-1.0000
-157	15.105	1.0027	0.25261	0.43130	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.105	1.0027	0.25261	0.43130	0.79300
172	15.110	1.0030	0.25269	0.43144	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.925	0.99073	0.24960	0.42616	0.79300
187	14.545	0.96553	0.24325	0.41533	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

IF-01 1154.4 FIC 1189.5 SIGMA IC 3.2866 ETAPF 2.6880 DCM 2.3915 CFM 0.9921266

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT REC 10/25/79 09:46:01.975 FAC AY6X1 PGM F034 SEQ 1477

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	9.4436	0.62192	0.17233	0.29495	0.72200
37	16.479	1.0856	0.30092	0.51486	0.82000
47	13.500	0.88937	0.24644	0.42179	0.91900
52	16.956	1.1103	0.30766	0.52657	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	22.146	1.4589	0.40427	0.69191	0.42200
67	18.663	1.2295	0.34069	0.58309	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	12.521	0.82482	0.22856	0.39118	0.50800
82	19.939	1.3135	0.36340	0.62196	0.58300
92	15.200	1.0013	0.27747	0.47488	0.67000

>ADDITIONAL PRESSURE RATIOS , FJECTOR NOZZLE

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.795	0.97465	0.27008	0.46223	-1.0000
-112	14.735	0.97070	0.26898	0.46036	-1.0000
-122	14.750	0.97169	0.26925	0.46083	-1.0000
-127	15.025	0.98980	0.27427	0.46942	-1.0000
-137	15.060	0.99210	0.27491	0.47051	-1.0000
-142	15.075	0.99309	0.27518	0.47098	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.795	0.97465	0.27008	0.46223	0.39900
112	14.735	0.97070	0.26898	0.46036	0.43100
122	14.750	0.97169	0.26925	0.46083	0.44900
127	15.025	0.98980	0.27427	0.46942	0.48600
137	15.060	0.99210	0.27491	0.47051	0.52200
142	15.075	0.99309	0.27518	0.47098	0.58800
-147	15.200	1.0013	0.27747	0.47488	-1.0000
-152	15.200	1.0013	0.27747	0.47488	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.200	1.0013	0.27747	0.47488	-1.0000
-157	15.200	1.0013	0.27747	0.47488	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.205	1.0017	0.27756	0.47504	0.79300
172	15.205	1.0017	0.27756	0.47504	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.945	0.98453	0.27281	0.46692	0.79300
187	14.525	0.95687	0.26515	0.45380	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-N) 1047.1 FLC 1142.2 SIGMA (F-N) 3.2561 FTARE 2.7148 DSM 2.4768 DEN 0.0021174

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFIT REC 10/25/79 00:47:42.025 FAC AY6X1 PGM C034 RNG 1678

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	8.1792	0.54123	0.17318	0.29630	0.72200
37	13.797	0.91295	0.29211	0.49980	0.82000
47	11.763	0.77838	0.24905	0.42613	0.91900
52	16.664	1.1027	0.35283	0.60368	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	18.917	1.2518	0.40053	0.68529	0.42200
67	15.700	1.0389	0.33241	0.56875	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	11.258	0.74498	0.23837	0.40784	0.50800
82	15.840	1.0482	0.33538	0.57382	0.58300
92	15.141	1.0019	0.32057	0.54848	0.67000

>ADDITIONAL PRESSURE RATIOS , FSPEEDY SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.741	0.97546	0.31211	0.53401	-1.0000
-112	14.691	0.97147	0.31084	0.53183	-1.0000
-122	14.691	0.97213	0.31105	0.53220	-1.0000
-127	14.956	0.98965	0.31665	0.54179	-1.0000
-137	14.986	0.99164	0.31729	0.54287	-1.0000
-142	15.016	0.99362	0.31792	0.54396	-1.0000

>ADDITIONAL PRESSURE RATIOS , FSPEEDY INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.741	0.97546	0.31211	0.53401	0.39800
112	14.691	0.97147	0.31084	0.53183	0.43100
122	14.691	0.97213	0.31105	0.53220	0.44900
127	14.956	0.98965	0.31665	0.54179	0.48600
137	14.986	0.99164	0.31729	0.54287	0.52200
142	15.016	0.99362	0.31792	0.54396	0.58800
-147	14.174	1.0000	0.30029	0.51370	1.0000
-157	14.121	1.0038	0.29914	0.51173	1.0000

>ADDITIONAL PRESSURE RATIOS , FSPL SPLITR FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	15.126	1.0004	0.32074	0.54794	-1.0000
-157	14.121	1.0036	0.32014	0.54776	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	15.116	1.0007	0.32004	0.54758	0.79300
172	15.116	1.0002	0.32004	0.54758	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	14.751	0.97610	0.31232	0.53437	0.79300
187	14.311	0.94701	0.30301	0.51844	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

1E-01 834.09 FIC 828.92 SIGMA IC 4.0497 FTAPE 2.9474 DSW 2.3236 CFM 0.9021266

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDEII REC 10/25/79 00:48:38.803 ESC RX6X1 PGM C034 RDG 1479

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	7.0720	0.46855	0.16964	0.28880	0.72200
37	12.048	0.79820	0.28899	0.49199	0.82000
47	15.447	1.0234	0.37052	0.63079	0.91900
52	16.356	1.0836	0.39234	0.66793	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	16.686	1.1055	0.40025	0.68140	0.42200
67	13.792	0.91378	0.33084	0.56323	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	9.7978	0.64847	0.23478	0.39970	0.50800
82	18.860	1.2495	0.45239	0.77017	0.58300
92	15.122	1.0019	0.36273	0.61752	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	14.712	0.97471	0.35290	0.60078	-1.0000
-112	14.637	0.96976	0.35110	0.59772	-1.0000
-122	14.657	0.97107	0.35158	0.59854	-1.0000
-127	14.922	0.98862	0.35793	0.60936	-1.0000
-137	14.962	0.98994	0.35841	0.61017	-1.0000
-142	14.877	0.98564	0.35685	0.60752	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	14.712	0.97471	0.35290	0.60078	0.39800
112	14.637	0.96974	0.35110	0.59772	0.43100
122	14.657	0.97107	0.35158	0.59854	0.44900
127	14.922	0.98862	0.35793	0.60936	0.48600
137	14.962	0.98994	0.35841	0.61017	0.52200
142	14.877	0.98564	0.35685	0.60752	0.58800
-147	15.122	1.0019	0.36273	0.61752	-1.0000
-152	15.127	1.0022	0.36285	0.61772	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-152	15.122	1.0019	0.36273	0.61752	-1.0000
-157	15.127	1.0022	0.36285	0.61772	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	15.122	1.0019	0.36273	0.61752	0.79300
172	15.117	1.0015	0.36261	0.61732	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	14.822	0.98200	0.35553	0.60527	0.79300
187	14.397	0.95385	0.34534	0.58792	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-31 692.26 FIC 687.21 SIGMA FC 2.0581 ETADF 2.7582 DSM 2.2883 CFM 0.9921275

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RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDFII REC 10/25/79 00:49:37.605 FAC AX6X1 PGM C034 PRG 1480

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	11.206	0.74187	0.29522	0.50183	0.72200
37	14.063	0.93080	0.37041	0.62963	0.82000
47	15.449	1.0228	0.40700	0.69184	0.91900
52	16.059	1.0631	0.42306	0.71914	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	15.226	1.0079	0.40108	0.68177	0.42200
67	12.446	0.82393	0.32788	0.55734	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	8.7163	0.57705	0.22963	0.39034	0.50800
82	21.789	1.4425	0.57404	0.97577	0.58300
92	15.144	1.0026	0.39897	0.67819	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.724	0.97480	0.38791	0.65939	-1.0000
-112	14.639	0.96918	0.38568	0.65559	-1.0000
-122	14.644	0.96951	0.38581	0.65581	-1.0000
-127	14.919	0.98770	0.39305	0.66812	-1.0000
-137	14.919	0.98770	0.39305	0.66812	-1.0000
-142	14.779	0.97844	0.38936	0.66185	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.724	0.97480	0.38791	0.65939	0.39800
112	14.639	0.96918	0.38568	0.65559	0.43100
122	14.644	0.96951	0.38581	0.65581	0.44900
127	14.919	0.98770	0.39305	0.66812	0.48600
137	14.919	0.98770	0.39305	0.66812	0.52200
142	14.779	0.97844	0.38936	0.66185	0.58900
-152	15.139	1.0023	0.39884	0.67796	-1.0000
-157	15.139	1.0023	0.39884	0.67796	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.139	1.0023	0.39884	0.67796	-1.0000
-157	15.139	1.0023	0.39884	0.67796	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.144	1.0026	0.39897	0.67819	0.79300
172	15.149	1.0029	0.39910	0.67841	0.84400

>ADDITIONAL PRESSURE RATIOS , 40 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.974	0.99134	0.39450	0.67058	0.79300
187	14.569	0.96454	0.38383	0.65245	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-N) 597.81 FLC 592.76 SIGMA LC 2.9612 FTAPF 2.6970 DSM 2.3529 CFM 0.0021221

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RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CARDFIL REF 10/25/79 00:50:44.603 FAC 8X6X1 PGM C036 PRG 1491

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.706	0.93736	0.44354	0.74839	0.72200
37	15.270	1.0076	0.47677	0.80445	0.82000
47	15.655	1.0330	0.48879	0.82472	0.91900
52	15.889	1.0478	0.49581	0.83657	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.911	0.98384	0.46554	0.78550	0.42200
67	14.351	0.94692	0.44807	0.75602	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.697	0.83778	0.39643	0.66888	0.50800
82	17.863	1.1787	0.55774	0.94106	0.58300
92	15.190	1.0023	0.47428	0.80024	0.67000

>ADDITIONAL PRESSURE RATIOS , FAIRING CHORD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.736	0.97230	0.46008	0.77629	-1.0000
-112	14.641	0.96604	0.45712	0.77129	-1.0000
-122	14.646	0.96637	0.45727	0.77155	-1.0000
-127	14.941	0.98582	0.46648	0.78708	-1.0000
-137	14.916	0.98417	0.46570	0.78577	-1.0000
-142	14.696	0.96967	0.45883	0.77418	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.736	0.97230	0.46008	0.77629	0.39800
112	14.641	0.96604	0.45712	0.77129	0.43100
122	14.646	0.96637	0.45727	0.77155	0.44900
127	14.941	0.98582	0.46648	0.78708	0.48600
137	14.916	0.98417	0.46570	0.78577	0.52200
142	14.696	0.96967	0.45883	0.77418	0.58800
152	15.195	1.0026	0.47443	0.80051	-1.0000
157	15.200	1.0330	0.47459	0.80077	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.195	1.0026	0.47443	0.80051	-1.0000
-157	15.200	1.0330	0.47459	0.80077	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
147	15.195	1.0026	0.47443	0.80051	0.79300
172	15.190	1.0023	0.47428	0.80024	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	15.056	0.99341	0.47007	0.79314	0.79300
187	14.641	0.96604	0.45712	0.77129	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 437.84 FIC 433.36 SIGMA IC 3.9553 FTAPE 2.4021 DSM 2.3752 CFM 0.9021202

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDEIT PEC 10/25/79 00:51:59.835 FAC AX6X1 PGM C036 PRG 1402

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.851	0.98055	0.53949	0.91712	0.72200
37	15.190	1.0023	0.55147	0.93748	0.82000
47	15.310	1.0109	0.55615	0.94549	0.91900
52	15.390	1.0155	0.55873	0.94981	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	14.990	0.98979	0.54457	0.92575	0.42200
67	14.991	0.98253	0.54058	0.91897	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.077	0.86347	0.47508	0.80761	0.50900
82	16.893	1.1156	0.61370	1.0433	0.58300
92	15.185	1.0026	0.55165	0.93778	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.721	0.97198	0.53478	0.90910	-1.0000
-112	14.621	0.96538	0.53115	0.90293	-1.0000
-122	14.616	0.96505	0.53097	0.90262	-1.0000
-127	14.901	0.98385	0.54131	0.92020	-1.0000
-137	14.881	0.98253	0.54058	0.91897	-1.0000
-142	14.676	0.96901	0.53314	0.90632	-1.0000

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.721	0.97198	0.53478	0.90910	0.39800
112	14.621	0.96538	0.53115	0.90293	0.43100
122	14.616	0.96505	0.53097	0.90262	0.44900
127	14.901	0.98385	0.54131	0.92020	0.48600
137	14.881	0.98253	0.54058	0.91897	0.52200
142	14.676	0.96901	0.53314	0.90632	0.58800
-152	15.160	1.0010	0.55074	0.93624	-1.0000
-157	15.165	1.0013	0.55092	0.93655	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.160	1.0010	0.55074	0.93624	-1.0000
-157	15.165	1.0013	0.55092	0.93655	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.165	1.0013	0.55092	0.93655	0.79300
172	15.165	1.0013	0.55092	0.93655	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.965	0.98814	0.54367	0.92421	0.79300
187	14.541	0.96011	0.52824	0.89799	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 299.26 FIC 294.45 SIGMA IC 2.8193 FTARE 2.4537 DSM 2.3527 CFM 0.0021220

RUN 24

VASA-ETWIS PRELIMINARY DATA 06/13/79 CADDEII REC 10/25/79 00:53:30.504 FAC 8X6X1 PGM C034 PRG 1483

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.329	0.94780	0.52363	0.75154	0.72200
37	15.323	1.0136	0.55997	0.80370	0.82000
47	15.463	1.0361	0.57239	0.82152	0.91900
52	15.858	1.0489	0.57951	0.83174	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

A D WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.098	0.99870	0.55175	0.79190	0.42200
67	14.573	0.96400	0.53258	0.76438	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.089	0.86582	0.47834	0.68653	0.50800
82	16.877	1.1164	0.61676	0.88520	0.58300
92	15.143	1.0017	0.55340	0.79426	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.708	0.97292	0.53751	0.77146	-1.0000
-112	14.618	0.96697	0.53422	0.76674	-1.0000
-122	14.623	0.96730	0.53440	0.76700	-1.0000
-127	14.893	0.98515	0.54427	0.78116	-1.0000
-137	14.883	0.98449	0.54390	0.78063	-1.0000
-142	14.698	0.97226	0.53714	0.77093	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.708	0.97292	0.53751	0.77146	0.39800
112	14.618	0.96697	0.53422	0.76674	0.43100
122	14.623	0.96730	0.53440	0.76700	0.44900
127	14.893	0.98515	0.54427	0.78116	0.48600
137	14.883	0.98449	0.54390	0.78063	0.52200
142	14.698	0.97226	0.53714	0.77093	0.58800
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.138	1.0013	0.55321	0.79400	-1.0000
-157	15.133	1.0010	0.55303	0.79374	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.133	1.0010	0.55303	0.79374	0.79300
172	15.138	1.0013	0.55321	0.79400	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	15.068	0.99672	0.55066	0.79033	0.79300
187	14.698	0.97226	0.53714	0.77093	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

EF-01 252.10 FIC 347.02 SIGMA IC 3.7720 FTARF 2.7839 DSM 2.3028 CFM 0.9921262

RUN29

NASA-LEWIS PRELIMINARY DATA 06/13/79 CANDELL REC 10/25/79 00:54:03.84R FAC 8X6X1 PGM C036 PDG 1496

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	11.950	0.79049	0.37467	0.53410	0.72200
37	15.134	1.0014	0.47462	0.67659	0.82000
47	15.863	1.0493	0.49733	0.70896	0.91900
52	16.212	1.0724	0.50830	0.72459	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	15.488	1.0245	0.48559	0.69222	0.42200
67	13.379	0.88503	0.41948	0.59798	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	12.580	0.83214	0.39441	0.56224	0.50800
82	17.726	1.1726	0.55578	0.79225	0.58300
92	15.138	1.0014	0.47462	0.67659	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	14.688	0.97163	0.46052	0.65649	-1.0000
-112	14.599	0.96568	0.45770	0.65247	-1.0000
-122	14.599	0.96568	0.45770	0.65247	-1.0000
-127	14.873	0.98386	0.46632	0.66475	-1.0000
-137	14.858	0.98286	0.46585	0.66408	-1.0000
-142	14.624	0.96733	0.45849	0.65359	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	14.688	0.97163	0.46052	0.65649	0.39800
112	14.599	0.96568	0.45770	0.65247	0.43100
122	14.599	0.96568	0.45770	0.65247	0.44900
127	14.873	0.98386	0.46632	0.66475	0.48600
137	14.858	0.98286	0.46585	0.66408	0.52200
142	14.624	0.96733	0.45849	0.65359	0.58900
-147	15.149	1.0020	0.47493	0.67703	-1.0000
-152	15.153	1.0024	0.47509	0.67726	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	15.148	1.0020	0.47493	0.67703	-1.0000
-157	15.153	1.0024	0.47509	0.67726	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
167	15.148	1.0020	0.47493	0.67703	0.79300
172	15.148	1.0020	0.47493	0.67703	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
182	15.033	0.99443	0.47139	0.67190	0.79300
187	14.653	0.96931	0.45943	0.65493	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=21 492.85 FIG 492.85 SIGMA FG 3.2245 FTARF 2.6600 DSM 2.3348 CFM 0.0021235

RUN24

MASS-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/25/79 00:56:26.787 FAC 8X6X1 PGM C034 RDC 1485

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	6.8367	0.45119	0.17929	0.26200	0.72200
37	12.912	0.86551	0.33590	0.49284	0.82000
47	15.655	1.0332	0.41057	0.60223	0.91900
52	16.750	1.1056	0.43927	0.64433	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	17.604	1.1618	0.46167	0.67719	0.42200
67	13.756	0.90785	0.36076	0.52918	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.8773	0.58586	0.23281	0.34149	0.50800
82	20.917	1.3804	0.54855	0.80463	0.58300
92	15.186	1.0022	0.39825	0.58416	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.761	0.97415	0.38711	0.56782	-1.0000
-112	14.681	0.96887	0.38501	0.56474	-1.0000
-122	14.681	0.96887	0.38501	0.56474	-1.0000
-127	14.951	0.98668	0.39209	0.57512	-1.0000
-137	14.951	0.98668	0.39209	0.57512	-1.0000
-142	14.801	0.97678	0.38816	0.56936	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.761	0.97415	0.38711	0.56782	0.35800
112	14.681	0.96887	0.38501	0.56474	0.43100
122	14.681	0.96887	0.38501	0.56474	0.44900
127	14.951	0.98668	0.39209	0.57512	0.48600
137	14.951	0.98668	0.39209	0.57512	0.52200
142	14.801	0.97678	0.38816	0.56936	0.58800
-152	15.191	1.0018	0.39812	0.58397	-1.0000
-157	15.181	1.0018	0.39812	0.58397	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLOW

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.181	1.0018	0.39812	0.58397	-1.0000
-157	15.181	1.0018	0.39812	0.58397	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.191	1.0018	0.39812	0.58397	0.79300
172	15.176	1.0015	0.39798	0.58377	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.931	0.98536	0.39156	0.57435	0.79300
187	14.491	0.95634	0.38003	0.55744	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-DI 649.59 FIC 644.78 SIGMA FC 4.1578 ETAPF 2.4134 DSP 2.3980 CFN 0.0021182

RUN124

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/25/79 01:00:18.745 FAC AX6XI PGM F034 PRG 1446

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	7.5697	0.49925	0.18086	0.26819	0.72200
37	11.211	0.73930	0.26784	0.39718	0.82000
47	15.055	0.99296	0.35969	0.53338	0.91900
52	16.669	1.0994	0.39826	0.59058	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	19.118	1.2609	0.45677	0.67734	0.42200
67	15.055	0.99296	0.35969	0.53338	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.8354	0.64869	0.23499	0.34846	0.50800
82	10.828	1.3077	0.47373	0.70248	0.58900
92	15.180	1.0012	0.36268	0.53781	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.755	0.97316	0.35253	0.52276	-1.0000
-112	14.695	0.96856	0.35085	0.52028	-1.0000
-122	14.695	0.96920	0.35109	0.52063	-1.0000
-127	14.940	0.98799	0.35789	0.53072	-1.0000
-137	15.000	0.98931	0.35838	0.53143	-1.0000
-142	14.940	0.98535	0.35695	0.52931	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.755	0.97316	0.35253	0.52276	0.39800
112	14.695	0.96856	0.35085	0.52028	0.43100
122	14.695	0.96920	0.35109	0.52063	0.44900
127	14.980	0.98799	0.35799	0.53072	0.48600
137	15.000	0.98931	0.35838	0.53143	0.52200
142	14.940	0.98535	0.35695	0.52931	0.58800
-147	14.945	1.0012	0.36261	0.53769	1.0000
-157	15.185	1.0015	0.36280	0.53799	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.180	1.0012	0.36268	0.53781	-1.0000
-157	15.185	1.0015	0.36280	0.53799	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.180	1.0012	0.36268	0.53781	0.79300
172	15.180	1.0012	0.36268	0.53781	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.780	0.97480	0.35312	0.52364	0.79300
187	14.325	0.94480	0.36224	0.50753	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 744.78 FLC 741.61 SIGMA IF 4.0757 FTAPF 2.7628 DSM 2.4153 FRM 0.0021170

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	8.9872	0.59317	0.19024	0.28139	0.72200
37	14.363	0.94799	0.30403	0.44971	0.82000
47	11.693	0.77110	0.24739	0.36589	0.91900
52	17.148	1.1318	0.36299	0.53689	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
52	21.686	1.4313	0.45905	0.67900	0.42200
67	17.188	1.1344	0.36382	0.53815	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	11.208	0.73975	0.23725	0.35092	0.50800
82	15.833	1.0450	0.33515	0.49573	0.58300
92	15.168	1.0011	0.32107	0.47491	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.768	0.97472	0.31261	0.46239	-1.0000
-112	14.709	0.97076	0.31134	0.46051	-1.0000
-122	14.723	0.97175	0.31165	0.46098	-1.0000
-127	14.998	0.98924	0.31726	0.46928	-1.0000
-137	15.018	0.99122	0.31790	0.47022	-1.0000
-142	15.053	0.99353	0.31864	0.47131	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.768	0.97472	0.31261	0.46239	0.39800
112	14.708	0.97076	0.31134	0.46051	0.43100
122	14.723	0.97175	0.31165	0.46098	0.44900
127	14.998	0.98924	0.31726	0.46928	0.48600
137	15.018	0.99122	0.31790	0.47022	0.52200
142	15.053	0.99353	0.31864	0.47131	0.58800
-152	15.153	1.0001	0.32075	0.47444	-1.0000
-157	15.153	1.0001	0.32075	0.47444	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXAT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.153	1.0001	0.32075	0.47444	-1.0000
-157	15.153	1.0001	0.32075	0.47444	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.148	0.99980	0.32065	0.47429	0.79300
172	15.148	0.99980	0.32065	0.47429	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.743	0.97307	0.31219	0.46161	0.79300
187	14.283	0.94271	0.30234	0.44721	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 893.30 FG 896.21 SIGMA FG 2.8577 ETARF 1.7567 DSW 2.3340 CFN 0.0021238

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/25/79 01:03:47.284 FAC 9X6X1 PGM C034 RDG 1498

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	10.441	3.68940	0.19056	0.27667	0.72200
37	18.809	1.2419	0.34327	0.49839	0.82000
47	14.546	0.96040	0.26547	0.38543	0.91900
52	16.855	1.1129	0.30761	0.44661	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	25.796	1.7032	0.47079	0.68352	0.42200
67	20.948	1.3831	0.38231	0.55507	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.031	0.86040	0.23783	0.34529	0.50800
82	18.396	1.2145	0.33570	0.48740	0.58300
92	15.171	1.0017	0.27687	0.40198	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.796	0.97624	0.26985	0.39178	-1.0000
-112	14.731	0.97261	0.26884	0.39033	-1.0000
-122	14.741	0.97327	0.26903	0.39059	-1.0000
-127	15.006	0.99076	0.27386	0.39761	-1.0000
-137	15.051	0.99373	0.27468	0.39880	-1.0000
-142	15.081	0.99571	0.27523	0.39960	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.796	0.97624	0.26985	0.39178	0.39800
112	14.731	0.97261	0.26884	0.39033	0.43100
122	14.741	0.97327	0.26903	0.39059	0.44900
127	15.006	0.99076	0.27386	0.39761	0.48600
137	15.051	0.99373	0.27469	0.39880	0.52200
142	15.081	0.99571	0.27523	0.39960	0.58800
147	14.166	1.0013	0.27678	0.40185	1.0000
157	15.171	1.0017	0.27687	0.40198	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.166	1.0013	0.27678	0.40185	-1.0000
-157	15.171	1.0017	0.27687	0.40198	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.176	1.0020	0.27696	0.40211	0.79300
172	15.171	1.0017	0.27687	0.40198	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.996	0.99010	0.27368	0.39735	0.79300
187	14.606	0.96436	0.26656	0.38702	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FF-01 1129.7 FIC 1125.1 SIGMA FC 2.7870 FTARE 2.2465 DSM 2.3786 DEM 3.0321200

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
52	10.976	0.72345	0.18479	0.27066	0.72200
57	19.332	1.2743	0.32548	0.47674	0.82000
47	16.202	1.0680	0.27278	0.39955	0.91900
52	13.012	0.85765	0.21906	0.32086	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	27.569	1.8172	0.46415	0.67984	0.42200
67	21.753	1.4338	0.36622	0.53641	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	14.117	0.93050	0.23767	0.34812	0.50900
82	19.957	1.3155	0.33600	0.49215	0.58300
92	15.212	1.0027	0.25611	0.37513	0.67000

>ADDITIONAL PRESSURE RATIOS , FUSTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.842	0.97830	0.24988	0.36600	-1.0000
-112	14.787	0.97468	0.24895	0.36465	-1.0000
-122	14.812	0.97632	0.24937	0.36526	-1.0000
-127	15.072	0.99347	0.25375	0.37168	-1.0000
-137	15.127	0.99709	0.25468	0.37303	-1.0000
-142	15.172	1.0001	0.25544	0.37414	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.842	0.97830	0.24988	0.36600	0.39800
112	14.787	0.97468	0.24895	0.36465	0.43100
122	14.812	0.97632	0.24937	0.36526	0.44900
127	15.072	0.99347	0.25375	0.37169	0.48600
137	15.127	0.99709	0.25469	0.37303	0.52200
142	15.172	1.0001	0.25544	0.37414	0.54800
-152	15.207	1.0024	0.25603	0.37501	-1.0000
-157	15.237	1.0024	0.25603	0.37501	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.207	1.0024	0.25603	0.37501	-1.0000
-157	15.237	1.0024	0.25603	0.37501	-1.0000

>ADDITIONAL PRESSURE RATIOS , 2 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.212	1.0027	0.25611	0.37513	0.79300
172	15.237	1.0024	0.25603	0.37501	0.84400

>ADDITIONAL PRESSURE RATIOS , 2 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.992	0.98810	0.25241	0.36970	0.79300
187	14.582	0.96116	0.24550	0.35959	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-21 1256.8 FLC 1252.0 SIGMA LC 5.4858 FTARE 2.3595 PSM 2.4144 FFM 0.0021172

NA :EWIS PRELIMINARY DATA 06/13/79 CADDETT PEC 10/25/79 01:05:22.P03 FAC AXAX1 PGM F034 PRG 1490

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	11.045	0.72628	0.18521	0.27061	0.72200
37	19.371	1.2737	0.32482	0.47460	0.82000
47	16.256	1.0689	0.27258	0.39828	0.91900
52	13.091	0.86014	0.21934	0.32049	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	27.646	1.8179	0.46358	0.67735	0.42200
67	21.811	1.4342	0.36573	0.53438	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	14.221	0.93511	0.23846	0.34842	0.50800
82	20.106	1.3221	0.33714	0.49261	0.58300
92	15.246	1.0025	0.25565	0.37354	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SURGE

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.881	0.97851	0.24953	0.36459	-1.0000
-112	14.826	0.97490	0.24861	0.36325	-1.0000
-122	14.846	0.97621	0.24894	0.36374	-1.0000
-127	15.116	0.99397	0.25347	0.37035	-1.0000
-137	15.166	0.99725	0.25431	0.37158	-1.0000
-142	15.216	1.0005	0.25515	0.37280	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.881	0.97851	0.24953	0.36459	0.39800
112	14.826	0.97490	0.24861	0.36325	0.43100
122	14.846	0.97621	0.24894	0.36374	0.44900
127	15.116	0.99397	0.25347	0.37035	0.48600
137	15.166	0.99725	0.25431	0.37158	0.52200
142	15.216	1.0005	0.25515	0.37280	0.58800
-147	15.241	1.0022	0.25556	0.37342	1.0000
-157	15.246	1.0025	0.25565	0.37354	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.251	1.0028	0.25573	0.37366	-1.0000
-157	15.246	1.0025	0.25565	0.37354	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.241	1.0022	0.25556	0.37342	0.79300
172	15.246	1.0025	0.25565	0.37354	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	15.021	0.98772	0.25188	0.36803	0.79300
187	14.601	0.96010	0.24483	0.35773	0.84400

>ORIGIN 5 , MEASURED THRUST PARAMETERS

FF=01 1269.3 FIC 1264.5 SIGMA IF 5.1514 FTAPF 2.4654 DSP 2.3803 CFM 0.9921192

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	10.640	0.70106	0.19350	0.28101	0.72200
37	18.905	1.2456	0.34380	0.49930	0.82000
47	14.521	0.95674	0.26407	0.38350	0.91900
52	16.971	1.1116	0.30680	0.44556	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	25.929	1.7084	0.47154	0.68481	0.42200
67	20.855	1.3741	0.37926	0.55079	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.176	0.86812	0.23961	0.34798	0.50800
82	18.525	1.2206	0.33690	0.48926	0.58300
92	15.201	1.0015	0.27644	0.40146	0.67000

>ADDITIONAL PRESSURE RATIOS , INJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.811	0.97585	0.26934	0.39116	-1.0000
-112	14.756	0.97223	0.26834	0.38971	-1.0000
-122	14.776	0.97354	0.26871	0.39024	-1.0000
-127	15.041	0.99100	0.27353	0.39723	-1.0000
-137	15.091	0.99430	0.27444	0.39855	-1.0000
-142	15.126	0.99660	0.27507	0.39948	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.811	0.97585	0.26934	0.39116	0.39800
112	14.756	0.97223	0.26834	0.38971	0.43100
122	14.776	0.97354	0.26871	0.39024	0.44900
127	15.041	0.99100	0.27353	0.39723	0.48600
137	15.091	0.99430	0.27444	0.39855	0.52200
142	15.126	0.99660	0.27507	0.39948	0.58800
-152	15.196	1.0012	0.27635	0.40133	-1.0000
-157	15.196	1.0012	0.27635	0.40133	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.196	1.0012	0.27635	0.40133	-1.0000
-157	15.196	1.0012	0.27635	0.40133	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.196	1.0012	0.27635	0.40133	0.79300
172	15.201	1.0015	0.27644	0.40146	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	15.026	0.99302	0.27325	0.39686	0.79300
187	14.661	0.96597	0.26662	0.38720	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(E-01 1136.6 FIC 1131.1 SIGMA IC 3.7747 ETARF 3.1152 DSM 2.3723 CFM 0.0021206

RUN 24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CANDELI REC 10/25/79 01:14:31.799 FAP 8X6X1 PGM C034 PPG 1492

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	9.1781	0.63268	0.19299	0.28255	0.72200
37	14.441	0.99825	0.30365	0.44457	0.87000
47	11.935	0.78370	0.25096	0.36742	0.91900
52	17.296	1.1359	0.36369	0.53248	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
52	22.067	1.4490	0.46400	0.67934	0.42200
67	17.406	1.1430	0.36600	0.53586	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	11.360	0.74592	0.23886	0.34971	0.50800
82	15.991	1.0501	0.33625	0.49230	0.58300
92	15.256	1.0018	0.32079	0.46967	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.866	0.97616	0.31259	0.45766	-1.0000
-112	14.806	0.97222	0.31132	0.45581	-1.0000
-122	14.826	0.97354	0.31174	0.45642	-1.0000
-127	15.086	0.99061	0.31721	0.46443	-1.0000
-137	15.131	0.99357	0.31816	0.46582	-1.0000
-142	15.156	0.99521	0.31869	0.46659	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.866	0.97616	0.31259	0.45766	0.39800
112	14.806	0.97222	0.31132	0.45581	0.43100
122	14.826	0.97354	0.31174	0.45642	0.44900
127	15.086	0.99061	0.31721	0.46443	0.48600
137	15.131	0.99357	0.31816	0.46582	0.52200
142	15.156	0.99521	0.31869	0.46659	0.58800
-152	15.236	1.0005	0.32037	0.46905	-1.0000
-157	15.231	1.0001	0.32026	0.46890	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.236	1.0005	0.32037	0.46905	-1.0000
-157	15.231	1.0001	0.32026	0.46890	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.231	1.0001	0.32026	0.46890	0.79300
172	15.231	1.0001	0.32026	0.46890	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.841	0.97452	0.31206	0.45689	0.79300
187	14.371	0.94365	0.30218	0.44241	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=21 934.52 FIG 895.60 SIGMA FG 3.4725 ETAPF 2.5393 DSM 2.3725 CFM 0.9221205

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RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/25/79 01:15:27.092 FEC 4X6X1 PGM C034 RDG 1493

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	7.6535	0.50416	0.18269	0.26958	0.72200
37	11.292	0.74415	0.26965	0.39700	0.82000
47	14.987	0.98766	0.35790	0.52811	0.91900
52	16.522	1.0954	0.39693	0.58571	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	19.241	1.2680	0.45948	0.67801	0.42200
67	15.092	0.99458	0.36040	0.53191	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER C.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.8167	0.64692	0.23442	0.34591	0.50800
82	18.912	1.2463	0.45161	0.66638	0.58300
92	15.187	1.0008	0.36267	0.53515	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.777	0.97382	0.35288	0.52071	-1.0000
-112	14.707	0.96921	0.35121	0.51824	-1.0000
-122	14.712	0.96954	0.35133	0.51842	-1.0000
-127	14.982	0.98733	0.35778	0.52793	-1.0000
-137	14.997	0.98832	0.35813	0.52846	-1.0000
-142	14.952	0.98535	0.35706	0.52687	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.777	0.97382	0.35288	0.52071	0.39800
112	14.707	0.96921	0.35121	0.51824	0.43100
122	14.712	0.96954	0.35133	0.51842	0.44900
127	14.982	0.98733	0.35778	0.52793	0.48600
137	14.997	0.98832	0.35813	0.52846	0.52700
142	14.952	0.98535	0.35706	0.52687	0.58800
152	15.182	1.0005	0.36255	0.53498	1.0000
157	15.172	0.99985	0.36231	0.53467	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.182	1.0005	0.36255	0.53498	-1.0000
-157	15.172	0.99985	0.36231	0.53467	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.182	1.0005	0.36255	0.53498	0.79300
172	15.187	1.0008	0.36267	0.53515	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.767	0.97316	0.35264	0.52035	0.79300
187	14.312	0.94318	0.34178	0.50432	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FF-21 750.58 FIC 746.12 SIGMA LC 3.4301 FTARE 2.1532 DSM 2.3091 CFM 0.0021760

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	6.9576	0.45276	0.18013	0.26266	0.72200
37	12.761	0.84254	0.33521	0.48878	0.82000
47	15.606	1.0304	0.40996	0.59776	0.91900
52	16.726	1.1044	0.43938	0.64064	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	17.651	1.1654	0.46367	0.67609	0.42200
67	13.736	0.90693	0.36083	0.52613	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.7090	0.57502	0.22877	0.33358	0.50800
82	21.681	1.4315	0.56953	0.83044	0.58300
92	15.166	1.0014	0.39840	0.58091	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.751	0.97395	0.38750	0.56501	-1.0000
-112	14.671	0.96867	0.38539	0.56195	-1.0000
-122	14.671	0.96867	0.38539	0.56195	-1.0000
-127	14.936	0.98617	0.39236	0.57210	-1.0000
-137	14.936	0.98617	0.39236	0.57210	-1.0000
-142	14.801	0.97726	0.38881	0.56692	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.751	0.97395	0.38750	0.56501	0.39800
112	14.671	0.96867	0.38539	0.56195	0.43100
122	14.671	0.96867	0.38539	0.56195	0.44900
127	14.936	0.98617	0.39236	0.57210	0.48600
137	14.936	0.98617	0.39236	0.57210	0.52200
142	14.801	0.97726	0.38881	0.56692	0.58400
-152	15.176	1.0020	0.39866	0.58129	-1.0000
-157	15.176	1.0020	0.39866	0.58129	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.176	1.0020	0.39866	0.58129	-1.0000
-157	15.176	1.0020	0.39866	0.58129	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.171	1.0017	0.39853	0.58110	0.79300
172	15.156	1.0007	0.39813	0.58052	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.891	0.98320	0.39117	0.57037	0.79300
187	14.456	0.95447	0.37975	0.55371	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

(F-D) 649.82 FIC 644.96 SIGMA IC 3.6496 FTARE 2.5718 DSM 2.2868 CFM 0.0021280

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/25/79 01:17:17.506 FAC 9X6X1 PGM F036 RDG 1495

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	12.138	0.79935	0.38052	0.56585	0.72200
37	15.223	1.0025	0.47724	0.68457	0.82000
47	15.918	1.0483	0.49802	0.71582	0.91900
52	16.263	1.0710	0.50893	0.73134	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.473	1.0190	0.48507	0.69582	0.42200
67	13.458	0.88628	0.42191	0.60521	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	12.673	0.83458	0.39730	0.56991	0.[illegible]0
82	17.753	1.1691	0.55653	0.79832	0.58300
92	15.203	1.0012	0.47661	0.68368	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.763	0.97222	0.46282	0.66389	-1.0000
-112	14.663	0.96563	0.45968	0.65940	-1.0000
-122	14.658	0.96530	0.45953	0.65917	-1.0000
-127	14.933	0.98341	0.46815	0.67154	-1.0000
-137	14.913	0.98209	0.46752	0.67064	-1.0000
-142	14.683	0.96695	0.46031	0.66029	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORERGY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.763	0.97222	0.46282	0.66389	0.39800
112	14.663	0.96563	0.45968	0.65940	0.43100
122	14.658	0.96530	0.45953	0.65917	0.44900
127	14.933	0.98341	0.46815	0.67154	0.48600
137	14.913	0.98209	0.46752	0.67064	0.52200
142	14.683	0.96695	0.46031	0.66029	0.58800
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

>ADDITIONAL PRESSURE RATIOS , FAN WHEEL PLAT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.213	1.0018	0.47692	0.68413	-1.0000
-152	15.213	1.0018	0.47692	0.68413	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.203	1.0012	0.47661	0.68368	0.79300
172	15.203	1.0012	0.47661	0.68368	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	15.093	0.99329	0.47285	0.67828	0.79300
187	14.733	0.96826	0.46094	0.66119	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FS-01 400.85 FIC 485.78 SIGMA IC 3.3027 FIAPF 2.7131 DSM 2.3158 CFM 0.9921256

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	14.514	0.95253	0.52704	0.76322	0.72200
37	15.459	1.0145	0.56136	0.81291	0.82000
47	15.774	1.0352	0.57279	0.82947	0.91900
52	15.964	1.0477	0.57969	0.83946	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	15.209	0.99814	0.55228	0.79976	0.42200
67	14.739	0.96730	0.53521	0.77505	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	13.204	0.86656	0.47948	0.69433	0.50800
82	17.028	1.1176	0.61835	0.89545	0.58300
92	15.259	1.0014	0.55409	0.80239	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR / MIXER

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.839	0.97386	0.53884	0.78031	-1.0000
-112	14.759	0.96861	0.53594	0.77610	-1.0000
-122	14.769	0.96927	0.53630	0.77663	-1.0000
-127	15.029	0.98633	0.54574	0.79030	-1.0000
-137	15.024	0.98600	0.54556	0.79003	-1.0000
-142	14.844	0.97419	0.53903	0.78057	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.839	0.97386	0.53884	0.78031	0.39800
112	14.759	0.96861	0.53594	0.77610	0.43100
122	14.769	0.96927	0.53630	0.77663	0.44900
127	15.029	0.98633	0.54574	0.79030	0.48600
137	15.024	0.98600	0.54556	0.79003	0.52200
142	14.844	0.97419	0.53903	0.78057	0.58800
-152	15.264	1.0017	0.55428	0.80265	-1.0000
-157	15.264	1.0017	0.55428	0.80265	-1.0000

>ADDITIONAL PRESSURE RATIOS , PAR BOUNDARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.264	1.0017	0.55428	0.80265	-1.0000
-157	15.264	1.0017	0.55428	0.80265	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
147	15.249	1.0021	0.55446	0.80292	0.79300
172	15.264	1.0017	0.55428	0.80265	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	15.194	0.99716	0.55173	0.79897	0.79300
187	14.824	0.97288	0.53830	0.77952	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

W(N) 256.50 FIC 349.55 SIGMA IC 3.5549 FTARE 2.5757 DSM 2.3778 CFM 0.9821292

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RUN 24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/25/79 01:19:46.747 FAC 8X6X1 PGM C036 PRG 1497

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	14.464	0.95172	0.52477	0.76147	0.72200
37	15.409	1.0139	0.55905	0.81171	0.82000
47	15.729	1.0349	0.57066	0.82806	0.91900
52	15.919	1.0474	0.57755	0.83806	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	15.169	0.99810	0.55036	0.79858	0.42200
67	14.694	0.96685	0.53311	0.77358	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	13.145	0.86487	0.47688	0.69198	0.50800
82	16.974	1.1168	0.61582	0.89358	0.58300
92	15.229	1.0020	0.55252	0.80174	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.804	0.97409	0.53710	0.77937	-1.0000
-112	14.714	0.96817	0.53384	0.77463	-1.0000
-122	14.724	0.96883	0.53420	0.77516	-1.0000
-127	14.996	0.98659	0.54403	0.78937	-1.0000
-137	14.979	0.98560	0.54345	0.78858	-1.0000
-142	14.799	0.97376	0.53692	0.77910	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORECOV INLET

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.804	0.97409	0.53710	0.77937	0.39800
112	14.714	0.96817	0.53384	0.77463	0.43100
122	14.724	0.96883	0.53420	0.77516	0.44900
127	14.996	0.98659	0.54400	0.78937	0.48600
137	14.979	0.98560	0.54345	0.78858	0.52200
142	14.799	0.97376	0.53692	0.77910	0.58800
-182	14.234	1.0024	0.55270	0.80200	-1.0000
-187	14.229	1.0020	0.55252	0.80174	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.234	1.0024	0.55270	0.80200	-1.0000
-157	15.229	1.0020	0.55252	0.80174	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.234	1.0024	0.55270	0.80200	0.79300
172	15.239	1.0027	0.55288	0.80226	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD NORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	15.159	0.99744	0.54998	0.79805	0.79300
187	14.799	0.97310	0.53656	0.77858	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

[F-D] 352.78 FIC 347.42 SIGMA [F-D] 3.2947 FTARE 2.8410 DSM 2.3271 CFM 0.9921245

RUN24

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/25/79 01:21:17.569 FAC 9XAX1 PGM E034 RNG 1498

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	14.873	0.99113	0.54048	0.91746	0.72200
37	15.188	1.0019	0.55193	0.93689	0.82000
47	15.318	1.0105	0.55665	0.94491	0.91900
52	15.305	1.0154	0.55938	0.94954	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
62	14.998	0.98939	0.54502	0.92517	0.42200
67	14.888	0.98212	0.54102	0.91838	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	13.067	0.86204	0.47488	0.80610	0.50800
82	16.863	1.1124	0.61280	1.0402	0.58400
92	15.193	1.0022	0.55211	0.93720	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.758	0.97355	0.53630	0.91036	-1.0000
-112	14.683	0.96860	0.53357	0.90574	-1.0000
-122	14.673	0.96794	0.53321	0.90512	-1.0000
-127	14.938	0.98542	0.54286	0.92147	-1.0000
-132	14.918	0.98410	0.54211	0.92023	-1.0000
-142	14.718	0.97091	0.53485	0.90790	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	14.758	0.97355	0.53630	0.91036	0.39800
112	14.683	0.96860	0.53357	0.90574	0.43100
122	14.673	0.96794	0.53321	0.90512	0.44900
127	14.938	0.98542	0.54286	0.92147	0.48600
132	14.918	0.98410	0.54211	0.92023	0.52200
142	14.718	0.97091	0.53485	0.90790	0.58800
-147	15.199	1.0018	0.55214	0.93724	-1.0000
-152	15.188	1.0019	0.55193	0.93689	-1.0000

>ADDITIONAL PRESSURE RATIOS , PEN NOZZLE EXP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.199	1.0016	0.55176	0.93658	-1.0000
-157	15.188	1.0019	0.55193	0.93689	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.188	1.0019	0.55193	0.93689	0.79300
172	15.193	1.0022	0.55211	0.93720	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
192	14.978	0.99806	0.54430	0.92394	0.79300
197	14.553	0.96002	0.52885	0.89772	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 300.29 FIC 295.61 SIGMA (C 3.3725 FTARE 2.3196 DSM 2.2712 FEN 0.9921293

Run 25

MASA-LEWIS PRELIMINARY DATA CODE-II FACILITY AVEX1 PROGRAM CC24 PAGE 1499 TO 1527
TIME AND DATE PROCESSED 06:25:32 JUN 13 1979

NOZZLE TYPE — P&W BASE EJECTOR NOZZLE (MODEL C)
FLIGHT CONDITIONS — TAKEOFF
NOZZLE CONFIGURATION — C3
PRIMARY-NOZZLE PLUG — SPLIT PLUG (EXTENDED)
FLOW SPLITTER — ISENTROPIC SPLITTER
FAN NOZZLE — SHORT FLAP
CLAMSHELL POSITION — 21 DEG
EJECTOR INLET OPENING — MIDWAY

PAG	MD	PTF/PTP	PTF/PO	PTP/PO	OMEGA	PTS/PTF	CDF	CDP	CFI	ETA1	ETA1,INT	CFP1	CFP2	FO
1499	0.366	1.73	1.82	1.07	0.000	0.547	0.963	0.715	0.8862	0.8862	0.8887	0.8887	0.8895	******
1500	0.369	1.70	2.11	1.24	0.000	0.475	0.966	0.842	0.8986	0.8986	0.9004	0.9004	0.9026	******
1501	0.363	1.70	2.51	1.48	0.000	0.399	0.966	0.939	0.8793	0.8793	0.8805	0.8805	0.8835	******
1502	0.362	1.70	2.76	1.63	0.000	0.364	0.967	0.947	0.8737	0.8737	0.8747	0.8747	0.8778	******
1503	0.362	1.70	3.11	1.83	0.000	0.324	0.972	0.945	0.8659	0.8659	0.8667	0.8667	0.8696	******
1504	0.367	1.70	3.[illegible]	2.13	0.000	0.281	0.971	0.926	0.8951	0.8951	0.8958	0.8958	0.8979	******
1505	0.362	1.73	3.[illegible]	2.29	0.000	0.258	0.972	0.948	0.9030	0.9030	0.9036	0.9036	0.9056	******
1506	0.361	1.71	3.48	2.33	0.200	0.256	0.971	0.952	0.9015	0.9015	0.9021	0.9021	0.9040	******
1507	0.366	1.71	3.63	2.12	0.000	0.280	0.968	0.924	0.8971	0.8971	0.8978	0.8978	0.8999	******
1508	0.366	1.71	3.10	1.82	0.000	0.325	0.970	0.945	0.8656	0.8656	0.8665	0.8665	0.8692	******
1509	0.359	1.71	2.77	1.62	0.000	0.363	0.967	0.948	0.8725	0.8725	0.8735	0.8735	0.8764	******
1510	0.361	1.70	2.51	1.48	0.000	0.400	0.967	0.943	0.8817	0.8817	0.8829	0.8829	0.8858	******
1511	0.365	1.69	2.11	1.25	0.000	0.475	0.965	0.845	0.9014	0.9014	0.9031	0.9031	0.9056	******
1512	0.366	1.70	1.82	1.07	0.000	0.548	0.965	0.721	0.8920	0.8920	0.8945	0.8945	0.8953	******
1513	0.357	1.45	1.81	1.25	0.000	0.552	0.965	0.867	0.8973	0.8973	0.8993	0.8993	0.9023	******
1514	0.363	1.43	2.11	1.47	0.000	0.477	0.967	0.935	0.9051	0.9051	0.9066	0.9066	0.9102	******
1515	0.366	1.46	2.52	1.73	0.000	0.398	0.968	0.979	0.8878	0.8878	0.8890	0.8890	0.8934	******
1516	0.361	1.47	2.76	1.87	0.000	0.365	0.967	0.978	0.8803	0.8803	0.8812	0.8812	0.8843	******
1517	0.358	1.47	3.12	2.12	0.000	0.325	0.969	0.979	0.8705	0.8705	0.8713	0.8713	0.8739	******
1518	0.359	1.46	3.53	2.42	0.000	0.288	0.969	0.967	0.8931	0.8931	0.8938	0.8938	0.8960	******
1519	0.362	1.46	3.91	2.67	0.000	0.262	0.971	0.966	0.9026	0.9026	0.9032	0.9032	0.9052	******
1520	0.362	1.47	3.95	2.69	0.000	0.260	0.970	0.968	0.9014	0.9014	0.9019	0.9019	0.9038	******
1521	0.359	1.45	3.61	2.49	0.000	0.282	0.968	0.958	0.9012	0.9012	0.9019	0.9019	0.9040	******
1522	0.360	1.47	3.12	2.12	0.000	0.325	0.969	0.979	0.8711	0.8711	0.8719	0.8719	0.8745	******
1523	0.364	1.47	2.77	1.88	0.000	0.365	0.969	0.978	0.8787	0.8787	0.8797	0.8797	0.8827	******
1524	0.366	1.46	2.52	1.72	0.000	0.400	0.968	0.978	0.8865	0.8865	0.8876	0.8876	0.8910	******
1525	0.361	1.44	2.11	1.47	0.000	0.476	0.966	0.934	0.9074	0.9074	0.9089	0.9089	0.9125	******
1526	0.359	1.45	1.82	1.25	0.000	0.551	0.965	0.871	0.9016	0.9016	0.9026	0.9036	0.9065	******
1527	0.359	1.45	1.81	1.25	0.000	0.552	0.965	0.870	0.9038	0.9038	0.9058	0.9058	0.9088	******

Row 25

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/25/79 02:11:49.827 FAC AX6X1 PGM F034 PPG 1499

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.529	1.0278	0.56404	0.96142	0.72200
37	15.659	1.0364	0.56877	0.96947	0.82000
47	15.730	1.0397	0.57058	0.97256	0.91900
52	15.724	1.0407	0.57113	0.97349	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	15.589	1.0318	0.56622	0.96514	0.42200
67	15.526	1.0275	0.56396	0.96111	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.549	0.89677	0.49213	0.83883	0.50800
82	17.366	1.1499	0.63069	1.0750	0.58303
92	15.159	1.0033	0.55061	0.93851	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.739	0.97556	0.53535	0.91251	-1.0000
-112	14.674	0.97124	0.53299	0.90849	-1.0000
-122	14.699	0.97289	0.53390	0.91004	-1.0000
-127	14.966	0.99043	0.54352	0.92644	-1.0000
-137	14.979	0.99143	0.54407	0.92737	-1.0000
-142	14.999	0.98613	0.54116	0.92242	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.739	0.97556	0.53535	0.91251	0.39800
112	14.674	0.97124	0.53299	0.90849	0.43100
122	14.699	0.97285	0.53390	0.91004	0.44900
127	14.966	0.99043	0.54352	0.92644	0.48600
137	14.979	0.99143	0.54407	0.92737	0.52200
142	14.999	0.98613	0.54116	0.92242	0.58800
-152	15.144	1.0023	0.55006	0.93750	-1.0000
-157	15.144	1.0023	0.55006	0.93750	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXAM

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.144	1.0023	0.55006	0.93750	-1.0000
-157	15.144	1.0023	0.55006	0.93750	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.134	1.0017	0.54970	0.93697	0.79300
172	15.139	1.0020	0.54988	0.93728	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.156	0.93682	0.51419	0.87629	0.79300
187	13.839	0.91588	0.50357	0.85823	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=31 286.31 FJF 280.91 SIGMA 1F 3.7797 FTARE 2.6978 DSM 2.4056 CFM 0.9021176

RUN 25

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/25/79 02:12:48.539 FAC 3X6X1 PGM F034 PDG 1500

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	16.338	1.0585	0.50264	0.85341	0.72200
37	16.582	1.0944	0.51973	0.88240	0.82000
47	16.697	1.1020	0.53334	0.88851	0.91900
52	16.657	1.0994	0.53208	0.88635	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	16.412	1.0832	0.51441	0.87336	0.42200
67	16.163	1.0667	0.50658	0.86006	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	13.489	0.89023	0.42277	0.71777	0.50800
82	18.321	1.2092	0.57424	0.97496	0.58300
92	15.169	1.0011	0.47541	0.80716	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	14.808	0.97731	0.46413	0.78799	-1.0000
-112	14.748	0.97336	0.46225	0.78480	-1.0000
-122	14.773	0.97500	0.46303	0.78613	-1.0000
-127	15.043	0.99282	0.47149	0.80049	-1.0000
-137	15.078	0.99513	0.47259	0.80235	-1.0000
-142	15.023	0.99150	0.47086	0.79943	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	14.808	0.97731	0.46413	0.78799	0.39800
112	14.748	0.97336	0.46225	0.78480	0.43100
122	14.773	0.97500	0.46303	0.78613	0.44400
127	15.043	0.99282	0.47149	0.80049	0.48600
137	15.078	0.99513	0.47259	0.80235	0.52200
142	15.023	0.99150	0.47086	0.79943	0.58800
~~152~~	~~15.179~~	~~1.0017~~	~~0.47572~~	~~0.80767~~	~~1.0000~~
~~157~~	~~15.173~~	~~1.0014~~	~~0.47556~~	~~0.80740~~	~~1.0000~~

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	15.179	1.0017	0.47572	0.80767	-1.0000
-157	15.173	1.0014	0.47556	0.80740	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
167	15.193	1.0021	0.47588	0.80794	0.79300
172	15.183	1.0024	0.47603	0.80820	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
182	13.979	0.92256	0.43812	0.74384	0.79300
187	13.644	0.90045	0.42763	0.72602	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 409.16 FIC 403.91 SIGMA IC 4.1022 ETARF 2.8103 DSM 2.6613 FEN 3.0721166

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.099	1.0659	0.42447	0.72052	0.72200
37	17.683	1.1708	0.46623	0.79142	0.82000
47	17.988	1.1910	0.47427	0.80506	0.91900
52	17.903	1.1854	0.47203	0.80126	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	16.544	1.1152	0.44410	0.75385	0.42200
67	15.745	1.0424	0.41511	0.70464	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.8062	0.58335	0.23218	0.39412	0.50800
82	21.641	1.4328	0.57058	0.96854	0.58300
92	15.135	1.0021	0.39904	0.67736	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	15.025	0.99479	0.39614	0.67244	-1.0000
-112	15.115	1.0007	0.39851	0.67646	-1.0000
-122	15.165	1.0041	0.39983	0.67870	-1.0000
-127	15.175	1.0047	0.40009	0.67915	-1.0000
-137	15.130	1.0017	0.39891	0.67713	-1.0000
-142	15.100	0.99974	0.39812	0.67579	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	15.025	0.99478	0.39614	0.67244	0.39800
112	15.115	1.0007	0.39851	0.67646	0.43100
122	15.165	1.0040	0.39983	0.67870	0.44900
127	15.175	1.0047	0.40009	0.67915	0.48600
137	15.130	1.0017	0.39891	0.67713	0.52200
142	15.100	0.99974	0.39812	0.67579	0.58800
-152	15.125	1.0014	0.39878	0.67691	-1.0000
-157	15.125	1.0014	0.39878	0.67691	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.125	1.0014	0.39878	0.67691	-1.0000
-157	15.125	1.0014	0.39878	0.67691	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.130	1.0017	0.39891	0.67713	0.79300
172	15.125	1.0014	0.39878	0.67691	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.995	0.92662	0.36900	0.62636	0.79300
187	13.915	0.92132	0.36689	0.62278	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

(F-FI FAA.IP FIC SSC.01 SIGMA IC 2.2999 ETAPF 1.9469 DSM 2.3435 CFM 1.0021211

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>ASI-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/25/79 02:14:14.835 F&C 9X6X1 PGM C034 PAG 1592

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	16.427	1.0893	0.39400	0.67001	0.72200
37	18.625	1.2350	0.44674	0.75968	0.82000
47	18.973	1.2579	0.45501	0.77375	0.91900
52	18.800	1.2466	0.45093	0.76682	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	17.736	1.1761	0.42540	0.72341	0.42200
67	16.097	1.0674	0.38609	0.65656	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	9.8693	0.65443	0.23672	0.40255	0.50800
82	21.423	1.4206	0.51385	0.87391	0.58300
92	15.098	1.0011	0.36215	0.61580	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	15.058	0.99847	0.36116	0.61417	-1.0000
-112	15.159	1.0051	0.36356	0.61824	-1.0000
-122	15.178	1.0064	0.36404	0.61906	-1.0000
-127	15.143	1.0041	0.36320	0.61763	-1.0000
-137	15.058	0.99847	0.36116	0.61417	-1.0000
-142	15.033	0.99681	0.36056	0.61315	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	15.058	0.99847	0.36116	0.61417	0.39800
112	15.159	1.0051	0.36356	0.61824	0.43100
122	15.178	1.0064	0.36404	0.61906	0.44900
127	15.143	1.0041	0.36320	0.61763	0.48600
137	15.058	0.99847	0.36116	0.61417	0.52200
142	15.033	0.99681	0.36056	0.61315	0.58800
-152	15.118	1.0024	0.36260	0.61661	-1.0000
-157	15.113	1.0021	0.36248	0.61641	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXAP

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	15.118	1.0024	0.36260	0.61661	-1.0000
-157	15.113	1.0021	0.36248	0.61641	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
167	15.109	1.0018	0.36236	0.61620	0.79300
172	15.109	1.0018	0.36236	0.61620	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVG WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
182	14.018	0.92954	0.33623	0.57177	0.79300
187	13.969	0.92623	0.33503	0.56973	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=31.652.22 FJ= 651.94 SIGMA FG 3.2657 FJ*RF 2.8468 DSW 2.3470 CFW 0.0021224

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
72	17.493	1.1566	0.37169	0.63238	0.72200
77	20.309	1.3490	0.43351	0.73757	0.82000
47	20.704	1.3692	0.43599	0.74860	0.91900
52	20.299	1.3417	0.43110	0.73360	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	19.749	1.3060	0.41970	0.71408	0.42200
67	17.945	1.1801	0.37923	0.64521	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	11.270	0.74526	0.23950	0.40747	0.50900
82	15.835	1.0472	0.33652	0.57254	0.58300
92	15.130	1.0006	0.32153	0.54705	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	15.165	1.0029	0.32228	0.54832	-1.0000
-112	15.255	1.0088	0.32419	0.55157	-1.0000
-122	15.255	1.0088	0.32419	0.55157	-1.0000
-127	15.180	1.0039	0.32260	0.54886	-1.0000
-137	15.070	0.99658	0.32026	0.54489	-1.0000
-142	15.120	0.99989	0.32132	0.54669	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	15.165	1.0029	0.32228	0.54832	0.39800
112	15.255	1.0088	0.32419	0.55157	0.43100
122	15.255	1.0088	0.32419	0.55157	0.44900
127	15.180	1.0039	0.32260	0.54886	0.48600
137	15.070	0.99658	0.32026	0.54489	0.52200
142	15.120	0.99989	0.32132	0.54669	0.58800
-152	15.130	1.0006	0.32153	0.54705	-1.0000
-157	15.130	1.0006	0.32153	0.54705	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.130	1.0006	0.32153	0.54705	-1.0000
-157	15.130	1.0006	0.32153	0.54705	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.130	1.0006	0.32153	0.54705	0.79300
172	15.145	1.0015	0.32185	0.54760	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.105	0.93277	0.29975	0.50999	0.79300
187	14.090	0.93178	0.29943	0.50945	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

(F-3) 785.30 FIC 780.54 SIGMA IC 3.6598 ETAPF 2.4068 DSM 2.3543 CFM 3.7221216

RELAT

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	19.257	1.2744	0.35212	0.59963	0.72200
37	22.052	1.4593	0.40322	0.68665	0.82000
47	22.967	1.5132	0.41813	0.71202	0.91900
52	22.632	1.4977	0.41383	0.70471	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	23.437	1.5509	0.42855	0.72977	0.42200
67	22.092	1.4613	0.40377	0.68758	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.058	0.86409	0.23876	0.40659	0.50800
82	19.398	1.2175	0.33640	0.57286	0.58300
92	15.148	1.0024	0.27698	0.47167	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	15.073	0.99745	0.27561	0.46933	-1.0000
-112	15.148	1.0024	0.27698	0.47167	-1.0000
-122	15.198	1.0057	0.27789	0.47322	-1.0000
-127	15.203	1.0061	0.27799	0.47338	-1.0000
-137	15.138	1.0017	0.27680	0.47136	-1.0000
-142	15.093	0.99877	0.27597	0.46996	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	15.073	0.99745	0.27561	0.46933	0.39800
112	15.148	1.0024	0.27698	0.47167	0.43100
122	15.198	1.0057	0.27789	0.47322	0.44900
127	15.203	1.0061	0.27799	0.47338	0.48600
137	15.138	1.0017	0.27680	0.47136	0.52200
142	15.093	0.99877	0.27597	0.46996	0.58800
-152	15.163	1.0034	0.27725	0.47213	-1.0000
-157	15.163	1.0034	0.27725	0.47213	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.163	1.0034	0.27725	0.47213	-1.0000
-157	15.163	1.0034	0.27725	0.47213	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.158	1.0031	0.27716	0.47198	0.79300
172	15.158	1.0031	0.27716	0.47198	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.333	0.94848	0.26208	0.44629	0.79300
187	14.273	0.94451	0.26098	0.44442	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-FI 998.26 FIC 994.25 SIGMA FC 4.0455 ETARF 2.6081 DSM 2.4095 CFM 0.9921174

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	20.299	1.3479	0.34027	0.58763	0.72200
37	23.188	1.5387	0.38870	0.67127	0.82000
47	24.452	1.6226	0.40990	0.70788	0.91900
52	24.242	1.6087	0.40638	0.70181	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	24.912	1.6531	0.41761	0.72120	0.42200
67	22.399	1.4863	0.37546	0.64841	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	14.185	0.94131	0.23779	0.41066	0.50800
82	20.059	1.3310	0.33625	0.58069	0.58300
92	15.120	1.0033	0.25346	0.43772	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	15.065	0.99969	0.25254	0.43613	-1.0000
-112	15.160	1.0060	0.25413	0.43888	-1.0000
-122	15.195	1.0083	0.25472	0.43989	-1.0000
-127	15.150	1.0053	0.25396	0.43859	-1.0000
-137	15.045	0.99836	0.25220	0.43555	-1.0000
-142	15.045	0.99836	0.25220	0.43555	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	15.065	0.99969	0.25254	0.43613	0.39800
112	15.160	1.0060	0.25413	0.43888	0.43100
122	15.195	1.0083	0.25472	0.43989	0.44900
127	15.150	1.0053	0.25396	0.43859	0.48600
137	15.045	0.99836	0.25220	0.43555	0.52200
142	15.045	0.99836	0.25220	0.43555	0.58800
152	15.120	1.0033	0.25346	0.43772	1.0000
157	15.125	1.0037	0.25355	0.43786	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.120	1.0033	0.25346	0.43772	-1.0000
-157	15.125	1.0037	0.25355	0.43786	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.120	1.0033	0.25346	0.43772	0.79300
172	15.110	1.0027	0.25329	0.43743	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.455	0.95922	0.24232	0.41847	0.79300
187	14.400	0.95557	0.24139	0.41688	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 1138.0 FIC 1133.2 SIGMA IC 3.8962 ETAPE 2.4507 DSM 2.3518 CFM 0.9921222

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	20.170	1.3392	0.33610	0.57443	0.72200
37	23.312	1.5478	0.38847	0.66392	0.82000
47	24.651	1.6367	0.41078	0.70205	0.91900
52	24.446	1.6231	0.40736	0.69622	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
52	25.061	1.6639	0.41761	0.71372	0.42200
67	22.393	1.4961	0.37298	0.63746	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	14.239	0.94477	0.23712	0.40526	0.50800
82	20.145	1.3375	0.33569	0.57372	0.58300
92	15.096	1.0022	0.25152	0.42987	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	15.074	1.0008	0.25119	0.42930	-1.0000
-112	15.164	1.0068	0.25269	0.43187	-1.0000
-122	15.174	1.0075	0.25286	0.43215	-1.0000
-127	15.114	1.0035	0.25186	0.43044	-1.0000
-137	15.019	0.99719	0.25027	0.42774	-1.0000
-142	15.014	0.99686	0.25019	0.42760	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
107	15.074	1.0008	0.25119	0.42930	0.39800
112	15.164	1.0068	0.25269	0.43187	0.43100
122	15.174	1.0075	0.25286	0.43215	0.44900
127	15.114	1.0035	0.25186	0.43044	0.48600
137	15.019	0.99719	0.25027	0.42774	0.52200
142	15.014	0.99686	0.25019	0.42760	0.58800
152	15.088	1.0018	0.25144	0.42973	1.0000
157	15.094	1.0022	0.25152	0.42987	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-152	15.088	1.0018	0.25144	0.42973	-1.0000
-157	15.094	1.0022	0.25152	0.42987	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.094	1.0022	0.25152	0.42987	0.79300
172	15.094	1.0022	0.25152	0.42987	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.454	0.95970	0.24087	0.41166	0.79300
187	14.413	0.95738	0.24029	0.41066	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-DI 1149.4 FIC 1144.3 SIGMA IC 4.1131 ETAPF 2.9106 PSM 2.3366 CFM 1.0021232

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	19.266	1.2749	0.35158	0.60008	0.72200
37	21.956	1.4529	0.40066	0.68386	0.82000
47	22.926	1.5105	0.41654	0.71096	0.91900
52	22.606	1.4960	0.41253	0.70411	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
52	23.421	1.5499	0.42740	0.72949	0.42200
67	22.041	1.4586	0.40227	0.68651	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.076	0.86530	0.23862	0.40728	0.50800
82	18.411	1.2184	0.33598	0.57346	0.58300
92	15.151	1.0026	0.27649	0.47192	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	15.041	0.99536	0.27448	0.46849	-1.0000
-112	15.136	1.0016	0.27621	0.47145	-1.0000
-122	15.211	1.0066	0.27758	0.47379	-1.0000
-127	15.191	1.0053	0.27722	0.47316	-1.0000
-137	15.156	1.0030	0.27658	0.47207	-1.0000
-142	15.121	1.0007	0.27594	0.47098	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	15.041	0.99536	0.27448	0.46849	0.39800
112	15.136	1.0016	0.27621	0.47145	0.43100
122	15.211	1.0066	0.27759	0.47379	0.44900
127	15.191	1.0053	0.27722	0.47316	0.48600
137	15.156	1.0030	0.27658	0.47207	0.52200
142	15.121	1.0007	0.27594	0.47098	0.58800
-147	15.141	1.0023	0.27663	0.47223	1.0000
-157	15.191	1.0126	0.27649	0.47192	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.141	1.0023	0.27667	0.47223	-1.0000
-157	15.191	1.0126	0.27649	0.47192	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
147	15.156	1.0030	0.27658	0.47207	0.79300
172	15.156	1.0030	0.27658	0.47207	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.376	0.95804	0.26143	0.44627	0.79300
187	14.216	0.94076	0.25942	0.44279	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

(F-P) 1001.7 FIP 996.03 SIGMA IP 5.4347 FTARE 2.2917 DSM 2.4076 CFM 0.9921173

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	17.498	1.1545	0.37200	0.63550	0.72200
47	21.368	1.3443	0.43332	0.73695	0.87000
47	20.683	1.3451	0.43571	0.75129	0.91900
52	21.293	1.3387	0.43121	0.73676	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
52	19.698	1.3001	0.41877	0.71551	0.42200
67	17.878	1.1767	0.37902	0.64758	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	11.262	0.74327	0.23947	0.40906	0.50800
82	15.838	1.0433	0.33607	0.57420	0.58300
92	15.198	1.0031	0.32310	0.55204	0.67000

>ADDITIONAL PRESSURE RATIOS , FAIRING CHORD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	15.228	1.0050	0.32376	0.55313	-1.0000
-112	15.318	1.0110	0.32565	0.55640	-1.0000
-122	15.333	1.0120	0.32593	0.55695	-1.0000
-127	15.243	1.0060	0.32406	0.55368	-1.0000
-137	15.123	0.99811	0.32150	0.54932	-1.0000
-142	15.159	1.0004	0.32225	0.55059	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	15.228	1.0050	0.32376	0.55313	0.39800
112	15.318	1.0110	0.32565	0.55640	0.43100
122	15.333	1.0120	0.32593	0.55695	0.44900
127	15.243	1.0060	0.32406	0.55368	0.48600
137	15.123	0.99811	0.32150	0.54932	0.52200
142	15.159	1.0004	0.32225	0.55059	0.58800
152	15.183	1.0021	0.32278	0.55150	-1.0000
157	15.198	1.0024	0.32289	0.55168	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.183	1.0021	0.32278	0.55150	-1.0000
-157	15.198	1.0024	0.32289	0.55168	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.183	1.0021	0.32278	0.55150	0.79300
172	15.198	1.0021	0.32278	0.55150	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.137	0.93309	0.30056	0.51353	0.79300
187	14.117	0.93177	0.30013	0.51281	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG=1 790.69 FIG 775.33 SIGMA FG 4.2880 ETAPF 2.4461 DSM 2.4030 CFM 0.9021176

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.420	1.0882	0.39282	0.67024	0.72200
37	16.620	1.2340	0.44545	0.76005	0.82000
47	16.375	1.2575	0.45395	0.77454	0.91900
52	16.795	1.2456	0.44964	0.76719	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	17.725	1.1746	0.42404	0.72351	0.42200
67	16.113	1.0676	0.38540	0.65758	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.7973	0.64927	0.23438	0.39991	0.50800
82	21.491	1.4235	0.51388	0.87680	0.59300
92	15.115	1.0017	0.36159	0.61696	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	15.085	0.99967	0.36087	0.61573	-1.0000
-112	15.175	1.0056	0.36303	0.61941	-1.0000
-122	15.160	1.0046	0.36267	0.61879	-1.0000
-127	15.140	1.0033	0.36219	0.61798	-1.0000
-137	15.045	0.99702	0.35992	0.61410	-1.0000
-142	15.023	0.99536	0.35932	0.61308	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	15.085	0.99967	0.36087	0.61573	0.39800
112	15.175	1.0056	0.36303	0.61941	0.43100
122	15.160	1.0046	0.36267	0.61879	0.44900
127	15.140	1.0033	0.36219	0.61798	0.48600
137	15.045	0.99702	0.35992	0.61410	0.52200
142	15.023	0.99536	0.35932	0.61308	0.58800
-152	15.120	1.0020	0.36171	0.61716	-1.0000
-157	15.115	1.0017	0.36159	0.61696	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.120	1.0020	0.36171	0.61716	-1.0000
-157	15.115	1.0017	0.36159	0.61696	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.115	1.0017	0.36159	0.61696	0.79300
172	15.115	1.0017	0.36159	0.61696	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.324	0.92943	0.33551	0.57245	0.79300
187	13.994	0.92675	0.33455	0.57082	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

FG=21.657.84 FIC 653.31 SIGMA FC 3.5707 FTARE 2.2184 DSM 2.3147 CFM 0.0021249

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.336	1.0623	0.42780	0.71853	0.72200
37	17.666	1.1703	0.46657	0.79156	0.82000
47	17.966	1.1902	0.47490	0.80500	0.91900
52	17.891	1.1845	0.47215	0.80115	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	16.776	1.1114	0.44345	0.75168	0.42200
67	15.666	1.0378	0.41411	0.70196	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.6397	0.57235	0.22838	0.38712	0.50800
82	22.595	1.4900	0.59489	1.0084	0.58300
92	15.121	1.0017	0.39971	0.67756	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	15.021	0.99510	0.39706	0.67306	-1.0000
-112	15.086	0.99941	0.39878	0.67597	-1.0000
-122	15.086	0.99941	0.39878	0.67597	-1.0000
-127	15.116	1.0014	0.39958	0.67731	-1.0000
-137	15.126	1.0021	0.39984	0.67776	-1.0000
-142	15.096	1.0001	0.39905	0.67642	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	15.021	0.99510	0.39706	0.67306	0.39800
112	15.086	0.99941	0.39878	0.67597	0.43100
122	15.086	0.99941	0.39878	0.67597	0.44900
127	15.116	1.0014	0.39958	0.67731	0.48600
137	15.126	1.0021	0.39984	0.67776	0.52200
142	15.096	1.0001	0.39905	0.67642	0.58800
152	15.111	1.0011	0.39966	0.67709	1.0000
157	15.121	1.0017	0.39971	0.67756	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE FLAP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.111	1.0011	0.39966	0.67709	-1.0000
-157	15.121	1.0017	0.39971	0.67756	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
177	15.126	1.0021	0.39984	0.67776	0.79300
182	15.126	1.0021	0.39984	0.67776	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.996	0.92720	0.36997	0.62713	0.79300
187	13.396	0.92058	0.36733	0.62265	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-DI 566.97 FIC 559.75 SIGMA FC 4.0742 FTAPE 2.7868 DSM 2.3600 FRM 0.9921227

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.331	1.0573	0.50220	0.84892	0.72200
37	16.571	1.0950	0.52009	0.87917	0.82000
47	16.696	1.1026	0.52379	0.88527	0.91900
52	16.656	1.1006	0.52276	0.88368	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	16.391	1.0831	0.51444	0.86962	0.42200
67	16.136	1.0662	0.50644	0.85609	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.531	0.89406	0.42466	0.71785	0.50800
82	18.201	1.2027	0.57126	0.96565	0.58300
92	15.171	1.0025	0.47619	0.80488	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.806	0.97834	0.46469	0.78551	-1.0000
-112	14.756	0.97503	0.46312	0.78286	-1.0000
-122	14.776	0.97635	0.46375	0.78392	-1.0000
-127	15.044	0.99420	0.47222	0.79825	-1.0000
-137	15.091	0.99717	0.47364	0.80063	-1.0000
-142	15.046	0.99420	0.47222	0.79825	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.806	0.97834	0.46469	0.78551	0.39800
112	14.756	0.97503	0.46312	0.78286	0.43100
122	14.776	0.97635	0.46375	0.78392	0.44900
127	15.044	0.99420	0.47222	0.79825	0.48600
137	15.091	0.99717	0.47364	0.80063	0.52200
142	15.046	0.99420	0.47222	0.79825	0.58800
152	15.191	1.0031	0.47646	0.80541	1.0000
157	15.196	1.0035	0.47662	0.80568	1.0300

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXAB

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.191	1.0031	0.47646	0.80541	-1.0000
-157	15.196	1.0035	0.47662	0.80568	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.176	1.0028	0.47630	0.80514	0.79300
172	15.191	1.0031	0.47646	0.80541	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	13.936	0.92414	0.43895	0.74199	0.79300
187	13.636	0.90100	0.42796	0.72342	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

[illegible] 411.06 FIF 406.03 SIGMA FF 3.5763 FTAPE 2.6696 DSW 2.3929 CFW 0.0021182

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
32	15.569	1.0265	0.56441	0.95982	0.72200
37	15.779	1.0358	0.56845	0.96846	0.82000
47	15.756	1.0398	0.57112	0.97123	0.91900
52	15.769	1.0397	0.57167	0.97214	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
52	15.626	1.0302	0.56641	0.96322	0.42200
67	15.559	1.0259	0.56405	0.95921	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
77	13.613	0.89758	0.49351	0.83924	0.50800
92	17.395	1.1469	0.63060	1.0724	0.58300
92	15.206	1.0025	0.55118	0.93731	0.67000

>ADDITIONAL PRESSURE RATIOS , EXPERDV EXIT

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-107	14.796	0.97563	0.53631	0.91202	-1.0000
-112	14.724	0.97081	0.53377	0.90771	-1.0000
-122	14.764	0.97345	0.53522	0.91017	-1.0000
-127	15.019	0.99027	0.54447	0.92590	-1.0000
-137	15.044	0.99192	0.54537	0.92744	-1.0000
-142	14.959	0.98631	0.54229	0.92220	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXAR

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
-157	15.206	1.0025	0.55118	0.93731	-1.0000
-157	15.206	1.0025	0.55118	0.93731	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
167	15.206	1.0025	0.55118	0.93731	0.79300
172	15.206	1.0025	0.55118	0.93731	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PD	PL/PTF	PL/PTP	X/DMAX
182	14.208	0.93683	0.51509	0.87594	0.79300
187	13.863	0.91408	0.50257	0.85466	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(-21) 288.70 FIC 283.20 SIGMA FC 3.5607 ETARF 2.4812P DSM 2.4093 FFM 0.9221170

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/25/79 02:29:10.556 FAC AX6X1 PGM C034 PRG 1513

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	15.806	1.0452	0.57607	0.83712	0.72200
37	16.391	1.0838	0.59702	0.86758	0.82000
47	16.491	1.0908	0.60067	0.87287	0.91900
52	16.456	1.0882	0.59976	0.87155	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	16.256	1.0749	0.59247	0.86096	0.42200
67	15.991	1.0574	0.58281	0.84692	1.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	13.716	0.90696	0.49989	0.72642	0.50800
82	17.471	1.1553	0.63675	0.92530	0.58300
92	15.161	1.0025	0.55256	0.80296	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	14.814	0.97971	0.53998	0.78469	-1.0000
-112	14.766	0.97640	0.53816	0.78204	-1.0000
-122	14.791	0.97806	0.53907	0.78336	-1.0000
-127	15.066	0.99692	0.54937	0.79837	-1.0000
-137	15.076	0.99600	0.54946	0.79846	-1.0000
-142	15.046	0.99492	0.54837	0.79687	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	14.816	0.97971	0.53998	0.78469	0.39800
112	14.766	0.97640	0.53816	0.78204	0.43100
122	14.791	0.97806	0.53907	0.78336	0.44900
127	15.046	0.99492	0.54837	0.79687	0.48600
137	15.076	0.99600	0.54946	0.79846	0.52200
142	15.046	0.99492	0.54837	0.79687	0.58800
147	14.940	1.0029	0.55274	0.80323	1.0000
157	15.171	1.0032	0.55292	0.80349	1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLRP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.166	1.0029	0.55274	0.80323	-1.0000
-157	15.171	1.0032	0.55292	0.80349	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
162	15.171	1.0032	0.55292	0.80349	0.79300
172	15.166	1.0029	0.55274	0.80323	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.171	0.93705	0.51647	0.75052	0.79300
187	13.951	0.91580	0.50481	0.73357	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-01 332.29	FIP 327.55	SIGMA FP 4.5222	ETAPF 2.4420	PSM 2.2992	FRM 0.9921249

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	15.741	1.0400	0.49421	0.70857	0.72200
37	17.116	1.1318	0.53749	0.77045	0.82000
47	17.401	1.1507	0.54635	0.78332	0.91900
52	17.376	1.1490	0.54556	0.78220	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	16.896	1.1173	0.53049	0.76058	0.42200
67	16.021	1.0594	0.50301	0.72118	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	13.615	0.90029	0.42747	0.61288	0.50800
82	18.226	1.2052	0.57226	0.82047	0.58300
92	15.190	1.0038	0.47662	0.68336	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	14.855	0.98233	0.46642	0.66872	-1.0000
-112	14.910	0.97935	0.46500	0.66669	-1.0000
-122	14.835	0.98034	0.46547	0.66737	-1.0000
-127	15.080	0.99721	0.47368	0.67885	-1.0000
-137	15.125	1.0002	0.47490	0.68058	-1.0000
-142	15.105	0.99887	0.47427	0.67968	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	14.855	0.98233	0.46642	0.66872	0.39800
112	14.910	0.97935	0.46500	0.66669	0.43100
122	14.835	0.98034	0.46547	0.66737	0.44900
127	15.080	0.99721	0.47368	0.67885	0.48600
137	15.125	1.0002	0.47490	0.68058	0.52200
142	15.105	0.99887	0.47427	0.67968	0.58800
~~152~~	~~15.175~~	~~1.0035~~	~~0.47647~~	~~0.68313~~	~~1.0000~~
~~157~~	~~15.175~~	~~1.0035~~	~~0.47647~~	~~0.68313~~	~~1.0000~~

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXIT

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	15.175	1.0035	0.47647	0.68313	-1.0000
-157	15.175	1.0035	0.47647	0.68313	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
167	15.175	1.0035	0.47647	0.68313	0.79300
172	15.175	1.0035	0.47647	0.68313	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
182	14.135	0.93404	0.44349	0.63594	0.79300
187	13.940	0.91518	0.43453	0.62301	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

(F-D) 478.96 FIC 663.47 SIGMA IC 4.5114 ETAPF 3.1263 DSM 2.3631 CFS 0.9921299

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.345	0.94580	0.37545	0.54716	0.72200
37	17.830	1.1749	0.46639	0.67970	0.82000
47	18.339	1.2402	0.49230	0.71746	0.91900
52	18.754	1.2365	0.49086	0.71536	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	17.883	1.1788	0.46797	0.68199	0.42200
67	14.575	0.96096	0.38147	0.55594	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.7033	0.57383	0.22779	0.33197	0.50800
82	22.574	1.4884	0.59083	0.86104	0.58300
92	15.185	1.0012	0.39744	0.57920	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	15.100	0.99558	0.39521	0.57596	-1.0000
-112	15.153	0.99887	0.39652	0.57787	-1.0000
-122	15.220	1.0035	0.39835	0.58054	-1.0000
-127	15.215	1.0032	0.39822	0.58035	-1.0000
-137	15.175	1.0005	0.39717	0.57882	-1.0000
-142	15.125	0.99722	0.39587	0.57692	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	15.100	0.99558	0.39521	0.57596	0.39800
112	15.153	0.99887	0.39652	0.57787	0.43100
122	15.220	1.0035	0.39835	0.58054	0.44900
127	15.215	1.0032	0.39822	0.58035	0.48600
137	15.175	1.0005	0.39717	0.57882	0.52200
142	15.125	0.99722	0.39587	0.57692	0.58800
-152	15.196	1.0018	0.39770	0.57959	-1.0000
-157	15.195	1.0018	0.39770	0.57960	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.196	1.0018	0.39770	0.57959	-1.0000
-157	15.195	1.0018	0.39770	0.57960	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.200	1.0022	0.39783	0.57978	0.79300
172	15.200	1.0022	0.39783	0.57978	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.710	0.97003	0.38192	0.54201	0.75300
187	14.380	0.94832	0.36851	0.53298	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

W-01 631.01	FIC 625.88	SIGMA IC 5.0252	ETAPF 2.7154	DSM 2.4129	CFN 0.0021147

MESS-LEWIS PRELIMINARY DATA 04/13/79 CADDELL REF 10/25/78 02:32:39.134 FAC AVAIL PSM 2.036 PDC 1514

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.947	0.97798	0.35455	0.52247	0.72200
37	18.313	1.2254	0.43752	0.64467	0.87000
42	19.749	1.2991	0.47145	0.69467	0.91900
52	19.495	1.2955	0.47014	0.69276	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
42	19.315	1.2711	0.44130	0.67971	0.42200
47	15.317	1.0080	0.34582	0.53903	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.7647	0.64209	0.23302	0.34335	0.50800
82	21.837	1.4371	0.52152	0.76845	0.58300
92	15.222	1.0018	0.36355	0.53568	0.67000

>ADDITIONAL PRESSURE RATIOS , DUCTED SWIRLER

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	15.197	1.0001	0.36295	0.53480	-1.0000
-112	15.272	1.0051	0.36475	0.53744	-1.0000
-122	15.287	1.0061	0.36510	0.53797	-1.0000
-127	15.242	1.0031	0.36403	0.53638	-1.0000
-137	15.152	0.99717	0.36188	0.53321	-1.0000
-142	15.147	0.99684	0.36176	0.53304	-1.0000

>ADDITIONAL PRESSURE RATIOS , EXPERMTN INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	15.197	1.0001	0.36295	0.53480	0.39800
112	15.272	1.0051	0.36475	0.53744	0.43100
122	15.287	1.0061	0.36510	0.53797	0.44900
127	15.242	1.0031	0.36403	0.53638	0.48600
137	15.152	0.99717	0.36188	0.53321	0.52200
142	15.147	0.99684	0.36176	0.53304	0.58800
-152	15.292	1.0039	0.36507	0.53798	-1.0000
-157	15.197	1.0001	0.36295	0.53480	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN MIDDLE CASE

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.292	1.0039	0.36307	0.53498	-1.0000
-157	15.197	1.0001	0.36295	0.53480	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SWIRLER LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.197	1.0001	0.36295	0.53480	0.79300
172	15.292	1.0065	0.36307	0.53498	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SWIRLER LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.251	0.93780	0.34037	0.50157	0.79300
187	14.231	0.93640	0.33917	0.49976	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

EE-31 715.88 FIC 711.11 SIGMA IC 3.0286 ETAPF 2.4191 PSM 2.3529 PEM 0.9221215

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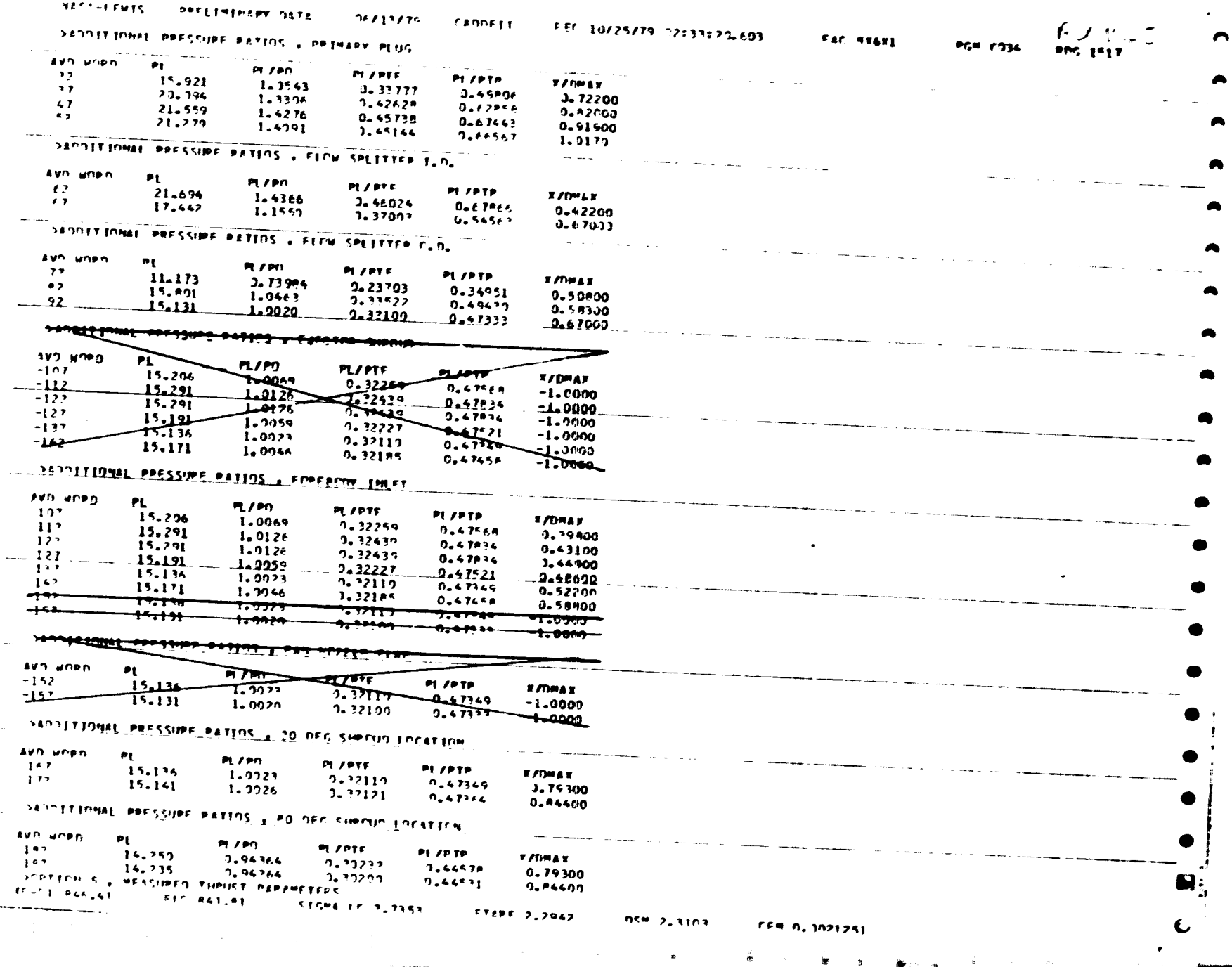

VFSS-1 EWIS PRELIMINARY DATA 06/13/79 FAPRELI REF 10/25/79 02:37:21.626 FAC 88881 PGM F034 PRG 1518

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	11.437	0.75403	0.21378	0.31167	0.72200
37	22.935	1.5109	0.42832	0.62446	0.82000
47	26.214	1.5972	0.45282	0.66018	0.91900
52	23.020	1.5777	0.44730	0.65214	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	25.476	1.6803	0.47639	0.69454	0.62200
67	22.355	1.4745	0.41803	0.60966	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	12.698	0.83751	0.23744	0.34618	0.50800
82	17.919	1.1819	0.33509	0.48863	0.58300
92	15.179	1.0011	0.28384	0.41391	0.67900

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER SHOCK

AVD NORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	15.168	1.0005	0.28365	0.41354	-1.0000
-112	15.264	1.0068	0.28543	0.41613	-1.0000
-122	15.246	1.0061	0.28509	0.41568	-1.0000
-127	15.229	1.0044	0.28477	0.41518	-1.0000
-137	15.144	0.99883	0.28318	0.41286	-1.0000
-142	15.149	0.99916	0.28328	0.41300	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD NORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	15.169	1.0005	0.28365	0.41354	0.39800
112	15.266	1.0068	0.28543	0.41613	0.42100
122	15.246	1.0061	0.28509	0.41568	0.44900
127	15.229	1.0044	0.28477	0.41518	0.48600
137	15.144	0.99883	0.28318	0.41284	0.52200
142	15.149	0.99916	0.28328	0.41300	0.58800
-142	15.149	1.0005	0.28365	0.41354	-1.0000
-137	15.179	1.0011	0.28384	0.41391	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOR BODY SIDE

AVD NORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	15.169	1.0005	0.28365	0.41354	-1.0000
-157	15.179	1.0011	0.28384	0.41391	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD NORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
167	15.184	1.0015	0.28393	0.41395	0.79300
172	15.174	1.0008	0.28374	0.41368	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD NORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
182	14.514	0.95727	0.27140	0.39568	0.79300
187	14.493	0.95628	0.27112	0.39527	0.84400

>ENTER S , MEASURED INLET PARAMETERS

(S=0) 1036.2 FIF 1039.4 SIGMA IF 6.5277 FTARF 3.4374 DSM 2.2288 RFM 0.9991234

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
32	12.684	0.83694	0.21412	0.31347	0.72200
37	23.157	1.5280	0.39052	0.57220	0.82000
47	26.124	1.7238	0.44101	0.64564	0.91900
52	25.942	1.7123	0.43905	0.64231	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
42	27.996	1.8407	0.47092	0.68943	0.42200
47	23.452	1.5475	0.39500	0.57960	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
77	14.135	0.93271	0.23862	0.34934	0.50800
82	19.934	1.3147	0.33635	0.49242	0.58300
92	15.206	1.0034	0.25670	0.37581	0.67000

>ADDITIONAL PRESSURE RATIOS , EXERCISE SHROUD

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	DMAX
-107	15.251	1.0063	0.25746	0.37692	-1.0000
-112	15.326	1.0113	0.25873	0.37878	-1.0000
-122	15.321	1.0110	0.25864	0.37865	-1.0000
-127	15.251	1.0063	0.25746	0.37692	-1.0000
-137	15.171	1.0011	0.25611	0.37494	-1.0000
-142	15.186	1.0021	0.25636	0.37531	-1.0000

>ADDITIONAL PRESSURE RATIOS , EXERCISE INLET

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
107	15.251	1.0063	0.25746	0.37692	0.39800
112	15.326	1.0113	0.25873	0.37878	0.43100
122	15.321	1.0110	0.25864	0.37865	0.44900
127	15.251	1.0063	0.25746	0.37692	0.49600
137	15.171	1.0011	0.25611	0.37494	0.52200
142	15.186	1.0021	0.25636	0.37531	0.58800
-152	15.201	1.0030	0.25661	0.37568	-1.0000
-157	15.206	1.0034	0.25670	0.37581	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
167	15.206	1.0034	0.25670	0.37581	0.79300
172	15.211	1.0037	0.25678	0.37593	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTE	PL/PTP	X/DMAX
182	14.726	0.97167	0.24859	0.36393	0.79300
187	14.726	0.97167	0.24859	0.36393	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-PL 1233.0 FIC 1158.6 SIGMA FC 5.4523 ETABF 2.0345 DEM 2.3575 CFG 0.9921211

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	Y/DMAX
32	12.675	0.83527	0.21170	0.31064	0.72200
37	23.469	1.5466	0.39108	0.57417	0.82000
47	26.396	1.7397	0.44087	0.64661	0.91000
57	26.189	1.7258	0.43741	0.64183	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	Y/DMAX
62	28.044	1.8481	0.46840	0.68730	0.42200
67	23.439	1.5446	0.39148	0.57444	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	Y/DMAX
77	14.265	0.94006	0.23826	0.34961	0.50800
82	20.135	1.3268	0.33629	0.49345	0.58200
92	15.215	1.0027	0.25412	0.37289	0.67000

>ADDITIONAL PRESSURE RATIOS , EXPECTED SHROUD

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	Y/DMAX
-107	15.270	1.0063	0.25504	0.37424	-1.0000
-112	15.340	1.0109	0.25621	0.37595	-1.0000
-122	15.340	1.0109	0.25621	0.37595	-1.0000
-127	15.255	1.0053	0.25479	0.37387	-1.0000
-137	15.165	0.99937	0.25329	0.37166	-1.0000
-142	15.210	1.0023	0.25404	0.37277	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	Y/DMAX
107	15.270	1.0063	0.25504	0.37424	0.39800
112	15.340	1.0109	0.25621	0.37595	0.43100
122	15.340	1.0109	0.25621	0.37595	0.44900
127	15.255	1.0053	0.25479	0.37387	0.48600
137	15.165	0.99937	0.25329	0.37166	0.52700
142	15.210	1.0023	0.25404	0.37277	0.58800
152	15.205	1.0020	0.25396	0.37264	-1.0000
157	15.210	1.0023	0.25404	0.37277	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	Y/DMAX
167	15.205	1.0020	0.25396	0.37264	0.79300
172	15.200	1.0017	0.25387	0.37252	0.84600

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	Y/DMAX
182	14.720	0.97005	0.24586	0.36076	0.79300
187	14.725	0.97038	0.24594	0.36088	0.84600

>SECTION 5 , MEASURED THRUST PARAMETERS

(F-D) 1214.3 FIC 1211.7 SIGMA IC 6.5285 STAGE 2.2693 PSM 2.3693 PFM 0.3321291

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>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
32	12.102	0.79999	0.22131	0.32188	0.72200
37	22.286	1.5195	0.42036	0.61156	0.82300
47	24.612	1.6270	0.45009	0.65463	0.91900
52	24.352	1.6099	0.46533	0.64771	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	P	PL/P0	PL/PTF	PL/PTP	X/DMAX
62	26.228	1.7338	0.47964	0.69761	0.42200
67	23.491	1.5483	0.42832	0.62296	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
77	13.052	0.86284	0.23869	0.34717	0.50800
82	18.445	1.2193	0.33731	0.49059	0.98300
92	15.153	1.0017	0.27712	0.40305	0.67000

>ADDITIONAL PRESSURE RATIOS , FAN EXIT GUIDE

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
-107	15.168	1.0027	0.27739	0.40345	-1.0000
-112	15.268	1.0093	0.27886	0.40558	-1.0000
-122	15.273	1.0097	0.27991	0.40625	-1.0000
-127	15.209	1.0054	0.27812	0.40452	-1.0000
-137	15.113	0.99909	0.27639	0.40199	-1.0000
-142	15.163	1.0011	0.27694	0.40279	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN INLET

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
107	15.168	1.0027	0.27739	0.40345	0.39800
112	15.268	1.0093	0.27886	0.40558	0.43100
122	15.273	1.0097	0.27991	0.40625	0.44900
127	15.209	1.0054	0.27812	0.40452	0.48600
137	15.113	0.99909	0.27639	0.40199	0.52700
142	15.163	1.0011	0.27694	0.40279	0.56900
-152	15.173	1.0031	0.27748	0.40358	-1.0000
-157	15.163	1.0024	0.27730	0.40332	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
167	15.163	1.0024	0.27730	0.40332	0.79300
172	15.163	1.0024	0.27730	0.40332	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/P0	PL/PTF	PL/PTP	X/DMAX
182	14.563	0.96179	0.26598	0.38682	0.79300
187	14.523	0.96007	0.26559	0.38629	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

(F-D) 1076.8 FID 1071.3 SIGMA IF 3.6960 ETADF 3.0971 DSW 2.3268 FRM 0.0021238

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PRELIMINARY DATA 04/13/79 FAPDEFI REF 10/25/79 02:43:51.865 FAC AREA1 PGM F036 PRG 1422

>ADDITIONAL PRESSURE RATIOS , RELSAFV PLUG

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
32	16.011	1.0569	0.33853	0.49854	0.72200
37	20.207	1.3339	0.42727	0.62929	0.82000
47	21.669	1.4303	0.45815	0.67477	0.91900
52	21.378	1.4112	0.45202	0.66574	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
62	21.838	1.4416	0.46175	0.68007	0.82200
67	17.581	1.1606	0.37174	0.54750	0.87000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
77	11.362	0.74972	0.23903	0.35322	0.50800
82	15.913	1.0503	0.33641	0.49547	0.58300
92	15.170	1.0014	0.32076	0.47242	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR CHOKE

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-107	15.270	1.0340	0.32287	0.47553	-1.0000
-112	15.335	1.0173	0.32425	0.47756	-1.0000
-122	15.335	1.0123	0.32425	0.47756	-1.0000
-127	15.230	1.0054	0.32203	0.47429	-1.0000
-137	15.155	1.0004	0.32044	0.47195	-1.0000
-142	15.200	1.0034	0.32139	0.47335	-1.0000

>ADDITIONAL PRESSURE RATIOS , FOREBODY INLET

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
107	15.270	1.0080	0.32287	0.47553	0.35900
112	15.335	1.0123	0.32425	0.47756	0.43100
122	15.335	1.0123	0.32425	0.47756	0.44900
127	15.230	1.0056	0.32203	0.47429	0.48600
137	15.155	1.0004	0.32044	0.47195	0.52200
142	15.200	1.0034	0.32139	0.47335	0.58800
-152	15.175	1.0017	0.32087	0.47257	-1.0000
-157	15.149	1.0021	0.32097	0.47273	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE SLAB

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
-152	15.175	1.0017	0.32087	0.47257	-1.0000
-157	15.149	1.0021	0.32097	0.47273	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
147	15.175	1.0017	0.32087	0.47257	0.79300
177	15.175	1.0017	0.32087	0.47257	0.84600

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PI	PI/PD	PI/PTF	PI/PTP	X/DMAX
182	14.795	0.96369	0.30225	0.44515	0.79300
187	14.775	0.96228	0.30182	0.44453	0.84600

>OPTION 5 , MEASURED THRUST PARAMETERS

[illegible] FG 865.51 SIGMA FG 6.8739 ETAPF 2.4432 OSM 2.3318 FRM 0.9931291

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	14.877	0.98098	0.35477	0.52251	0.72200
37	18.444	1.2162	0.43984	0.64778	0.82000
47	19.785	1.2046	0.47181	0.69487	0.91900
52	19.688	1.2980	0.46947	0.69136	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
62	19.355	1.2762	0.46155	0.67976	0.42200
67	15.393	1.0150	0.36706	0.54061	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	9.8629	0.65034	0.23520	0.34640	0.50800
82	21.196	1.3976	0.50545	0.74442	0.58300
92	15.202	1.0026	0.36253	0.53393	0.67000

>ADDITIONAL PRESSURE RATIOS , DUCTED SHROUD

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	15.187	1.0014	0.36217	0.53340	-1.0000
-112	15.262	1.0064	0.36396	0.53604	-1.0000
-122	15.293	1.0084	0.36468	0.53709	-1.0000
-127	15.242	1.0051	0.36348	0.53533	-1.0000
-137	15.147	0.99879	0.36122	0.53200	-1.0000
-142	15.142	0.99846	0.36110	0.53182	-1.0000

>ADDITIONAL PRESSURE RATIOS , EXPEANDY INLET

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	15.187	1.0014	0.36217	0.53340	0.39800
112	15.262	1.0064	0.36396	0.53604	0.43100
122	15.293	1.0084	0.36468	0.53709	0.44900
127	15.242	1.0051	0.36348	0.53532	0.48600
137	15.147	0.99879	0.36122	0.53200	0.52200
142	15.142	0.99846	0.36110	0.53182	0.58900
-147	15.197	1.0021	0.36241	0.53375	-1.0000
-157	15.202	1.0024	0.36253	0.53393	-1.0000

>ADDITIONAL PRESSURE RATIOS , FAN NOZZLE EXP

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.197	1.0021	0.36241	0.53375	-1.0000
-157	15.202	1.0024	0.36253	0.53393	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.207	1.0027	0.36265	0.53410	0.79300
172	15.207	1.0027	0.36265	0.53410	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD WORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.267	0.94073	0.34022	0.50107	0.79300
187	14.252	0.93976	0.33986	0.50054	0.84400

>OPTION 5 , MEASURED THRUST PARAMETERS

FG-DI 718.22	FIC 713.20	SIGMA FC 3.7438	ETADF 2.6279	DSM 2.3895	FSM 0.9931186

NASA-LEWIS PRELIMINARY DATA 06/13/79 CADDELL REC 10/25/79 02:45:23.982 FAC AVAIL PGM F996 ORG 1596

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
32	16.392	0.94718	0.37635	0.55014	0.72200
37	17.873	1.1762	0.46726	0.68319	0.82000
42	18.819	1.2386	0.49207	0.71930	0.91900
52	18.763	1.2348	0.49063	0.71720	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
52	17.868	1.1759	0.46723	0.68299	0.42200
67	14.657	0.96463	0.38329	0.56027	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
77	8.7493	0.57581	0.22879	0.33444	0.50800
82	21.938	1.4438	0.57366	0.83857	0.58300
92	15.222	1.0018	0.39805	0.58187	0.67000

>ADDITIONAL PRESSURE RATIOS , EJECTOR SHROUD

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-107	15.177	0.99886	0.39688	0.58015	-1.0000
-112	15.277	1.0054	0.39949	0.58397	-1.0000
-122	15.287	1.0061	0.39975	0.58436	-1.0000
-127	15.262	1.0045	0.39910	0.58340	-1.0000
-137	15.187	0.99951	0.39714	0.58053	-1.0000
-142	15.147	0.99688	0.39609	0.57900	-1.0000

>ADDITIONAL PRESSURE RATIOS , EJECTOR INLET

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
107	15.177	0.99886	0.39688	0.58015	0.39800
112	15.277	1.0054	0.39949	0.58397	0.43100
122	15.287	1.0061	0.39975	0.58436	0.44900
127	15.262	1.0045	0.39910	0.58340	0.48600
137	15.187	0.99951	0.39714	0.58053	0.52200
142	15.147	0.99688	0.39609	0.57900	0.58800
152	15.227	1.0021	0.39818	0.58206	1.0000
153	15.237	1.0028	0.39832	0.58227	1.0000

>ADDITIONAL PRESSURE RATIOS , PRIMARY NOZZLE PLUG

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
-152	15.227	1.0021	0.39818	0.58206	-1.0000
-153	15.237	1.0028	0.39832	0.58227	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
167	15.217	1.0015	0.39792	0.58164	0.75300
172	15.222	1.0018	0.39805	0.58187	0.84400

>ADDITIONAL PRESSURE RATIOS , 80 DEG SHROUD LOCATION

AVD NORD	PL	PL/PO	PL/PTF	PL/PTP	X/DMAX
182	14.237	0.93698	0.37229	0.54421	0.79300
187	14.182	0.93336	0.37085	0.54211	0.84400

>STATION 5 , MEASURED THRUST PARAMETERS

FG=31 622.06 FIT 626.31 SIGMA FG 2.5888 ETAPS 2.3615 DSW 2.3873 DFW 0.0021187

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NASA-LEWIS PRELIMINARY DATA 04/13/79 ZANDFIT REC 10/25/79 02:46:19.277 E-C 9BAXI PGM C034 PRC 1525

>ADDITIONAL PRESSURE RATIOS , PRIMARY FLOW

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
32	15.810	1.0607	0.49371	0.70952	0.72200
37	17.180	1.1309	0.53653	0.77102	0.82000
47	17.465	1.1496	0.54561	0.78382	0.91900
52	17.435	1.1477	0.54447	0.78247	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
52	16.965	1.1154	0.52916	0.76047	0.42200
57	16.085	1.0578	0.50230	0.72187	0.67000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
77	13.599	0.89513	0.42466	0.61030	0.50800
82	18.396	1.2107	0.57414	0.82512	0.58300
92	15.225	1.0021	0.47543	0.68324	0.87000

>ADDITIONAL PRESSURE RATIOS , EXPERIMENTAL

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-107	14.890	0.98008	0.46497	0.66822	-1.0000
-112	14.860	0.97811	0.46403	0.66687	-1.0000
-122	14.890	0.98008	0.46497	0.66822	-1.0000
-127	15.125	0.99556	0.47231	0.67877	-1.0000
-137	15.160	0.99786	0.47340	0.68034	-1.0000
-142	15.145	0.99687	0.47293	0.67966	-1.0000

>ADDITIONAL PRESSURE RATIOS , EXPERIMENTAL

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
107	14.890	0.98008	0.46497	0.66822	0.39800
112	14.860	0.97811	0.46403	0.66687	0.43100
122	14.890	0.98008	0.46497	0.66822	0.44900
127	15.125	0.99556	0.47231	0.67877	0.48600
137	15.160	0.99786	0.47340	0.68034	0.52200
142	15.145	0.99687	0.47293	0.67966	0.58900
-152	15.225	1.0021	0.47543	0.68324	-1.0000
-157	15.220	1.0018	0.47528	0.68303	-1.0000

>ADDITIONAL PRESSURE RATIOS , EXPERIMENTAL

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
-152	15.225	1.0021	0.47543	0.68324	-1.0000
-157	15.220	1.0018	0.47528	0.68303	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
167	15.215	1.0015	0.47512	0.68281	0.79300
172	15.210	1.0012	0.47496	0.68258	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/PO	PI/PTF	PI/PTP	X/DMAX
182	14.169	0.93267	0.44247	0.63589	0.79300
187	13.996	0.91390	0.43357	0.62309	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

FF=PI 471.93 FIP 466.25 SIGMA FF 3.9370 FFREF 2.6271 DSM 2.3503 CFM 0.9921218

>ADDITIONAL PRESSURE RATIOS , PRIMARY PLUG

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
32	15.918	1.0441	0.57477	0.83296	0.72200
37	16.418	1.0837	0.59658	0.86457	0.82000
42	16.598	1.0997	0.59985	0.86931	0.91900
52	16.493	1.0880	0.59806	0.86800	1.0170

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER I.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
62	16.288	1.0752	0.59185	0.85772	0.42200
67	16.013	1.0570	0.58186	0.84323	0.47000

>ADDITIONAL PRESSURE RATIOS , FLOW SPLITTER O.D.

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
77	13.711	0.90507	0.49823	0.72204	0.50800
82	17.454	1.1521	0.63421	0.91910	0.58300
92	15.177	1.0018	0.55150	0.79924	0.67000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-107	14.842	0.97971	0.53932	0.78158	-1.0000
-112	14.797	0.97674	0.53768	0.77921	-1.0000
-122	14.817	0.97806	0.53841	0.78027	-1.0000
-127	15.057	0.99391	0.54713	0.79291	-1.0000
-137	15.107	0.99722	0.54895	0.79555	-1.0000
-142	15.087	0.99589	0.54822	0.79449	-1.0000

>ADDITIONAL PRESSURE RATIOS , FORWARD INLET

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
107	14.842	0.97971	0.53932	0.78158	0.35800
112	14.797	0.97674	0.53768	0.77921	0.43100
122	14.817	0.97806	0.53841	0.78027	0.44900
127	15.057	0.99391	0.54713	0.79291	0.48600
137	15.107	0.99722	0.54895	0.79555	0.52200
142	15.087	0.99589	0.54822	0.79449	0.58800

>ADDITIONAL PRESSURE RATIOS , FAN MIXING PLANE

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
-152	15.177	1.0018	0.55150	0.79924	-1.0000
-157	15.182	1.0022	0.55168	0.79950	-1.0000

>ADDITIONAL PRESSURE RATIOS , 20 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
147	15.177	1.0018	0.55150	0.79924	0.79300
172	15.177	1.0018	0.55150	0.79924	0.84400

>ADDITIONAL PRESSURE RATIOS , 90 DEG SHROUD LOCATION

AVD WORD	PI	PI/P0	PI/PTF	PI/PTP	X/DMAX
182	14.197	0.93711	0.51584	0.74759	0.75300
187	13.892	0.91696	0.50477	0.73157	0.84400

>SECTION 5 , MEASURED THRUST PARAMETERS

FG=21 334.56 FJ= 332.21 SIGMA FJ 2.4211 ETAFF 2.2060 PSM 2.3191 FRM 0.0021962